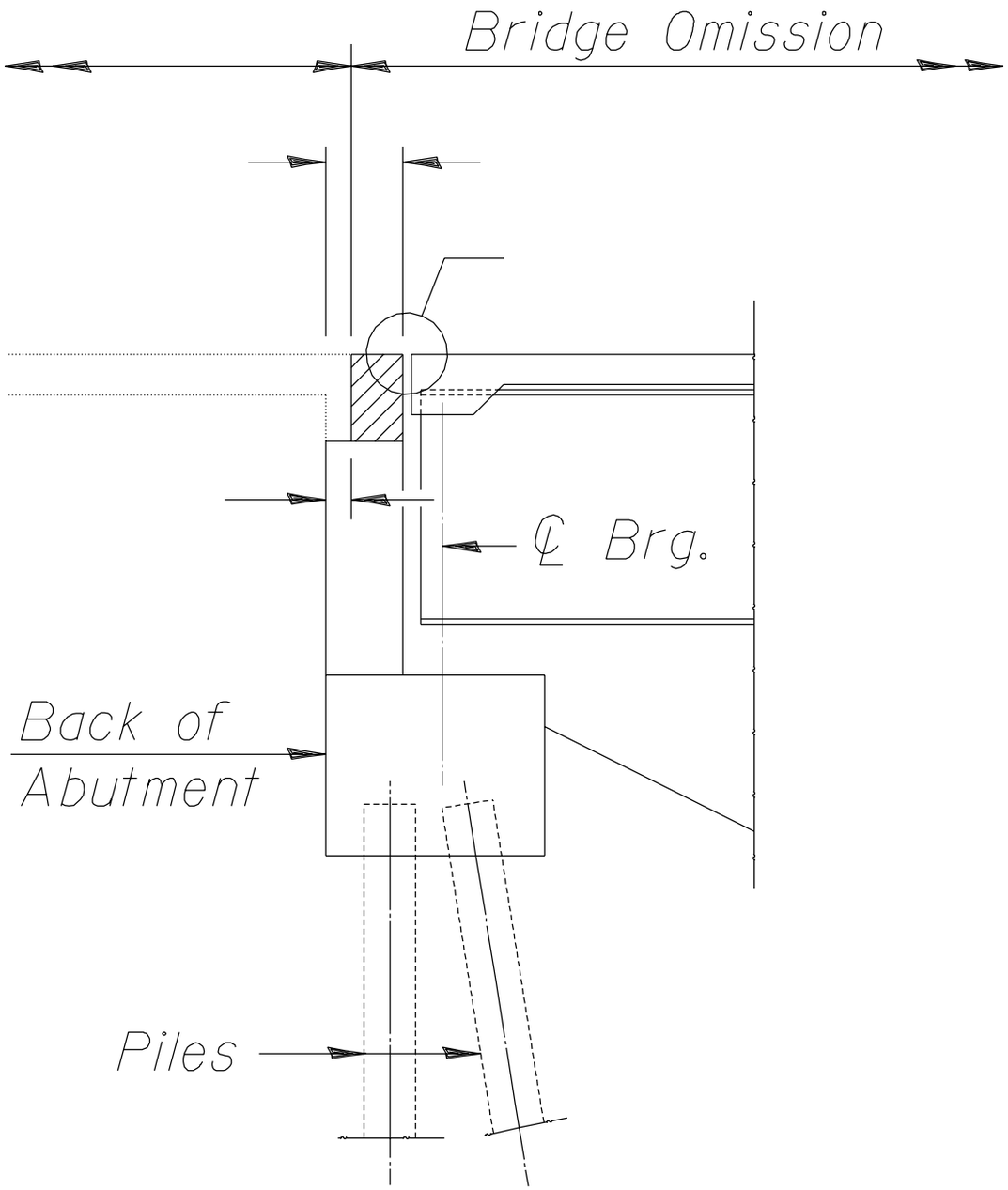
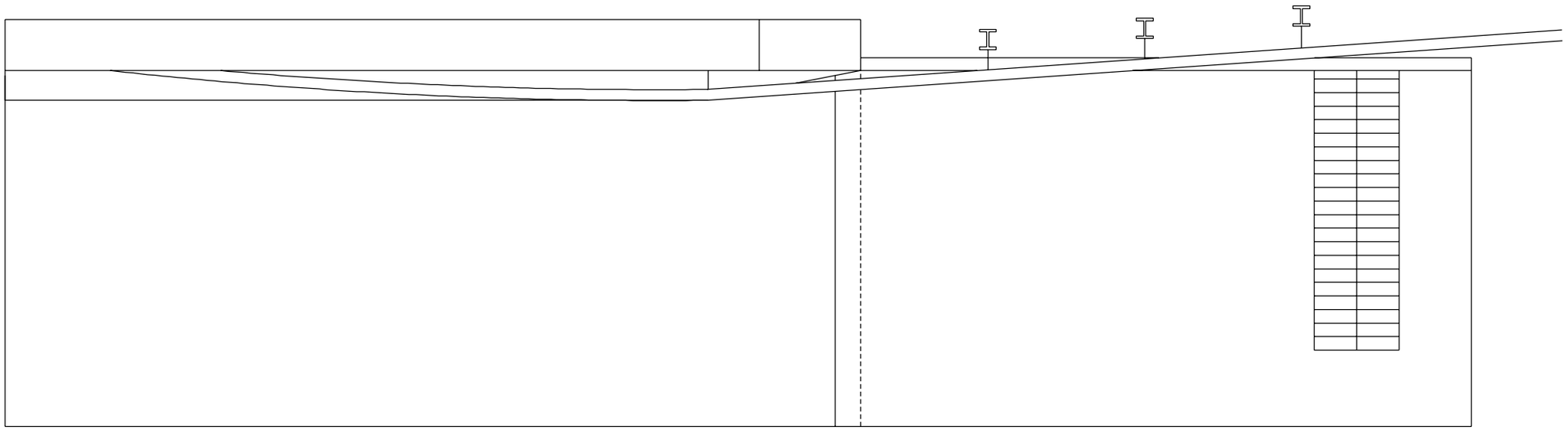
CELL / MODEL NAME	DESCRIPTION	DATE
ABUT	Section thru pile bent abutment	
APRW	Approach pavement with drain	
APRW1	Approach pavement with drain	
GRRAIL	Steel rail section	
PS1	Solid, spread footing pier sketch	
PS2	Solid, battered, spread footing pier sketch	
PS3	Solid, with cap and spread footing pier sketch	
PS4	Single hammerhead pier sketch	
PS5	Double hammerhead pier sketch	
PS6	2 column pier sketch	
PS7	3 column pier sketch	
PS8	4 column pier sketch	
PS9	2 column trapezoidal pier sketch	
PS10	Solid hammerhead pier sketch	
PS11	2 column trapezoidal pier with spread footing sketch	
PS12	3 column trapezoidal pier with spread footing sketch	
PS13	4 column trapezoidal pier with spread footing sketch	
PS14	5 column trapezoidal pier with spread footing sketch	
PS15	3 bay railroad pier with round columns sketch	
PS16	2 bay railroad pier with round columns sketch	
PS17	4 bay railroad pier with round columns, modified, sketch	
PS18	5 bay railroad pier with round columns sketch	
PS19	Encased pile bent pier sketch	
PS20	Pile bent pier sketch	
PS21	Individually encased pile bent pier sketch	
RETRO	Safety walk and parapet removal details	
RETRO1	Parapet retrofit detail	
RRAP	Riprap anchor detail	
STR	Design stresses	
TSL001	Riprap anchor detail	
TSL002	Section thru integral abutment with PPC beams	
TSL003	Section thru integral abutment with steel beams or girders	
TY6	Traffic barrier terminal, type 6	

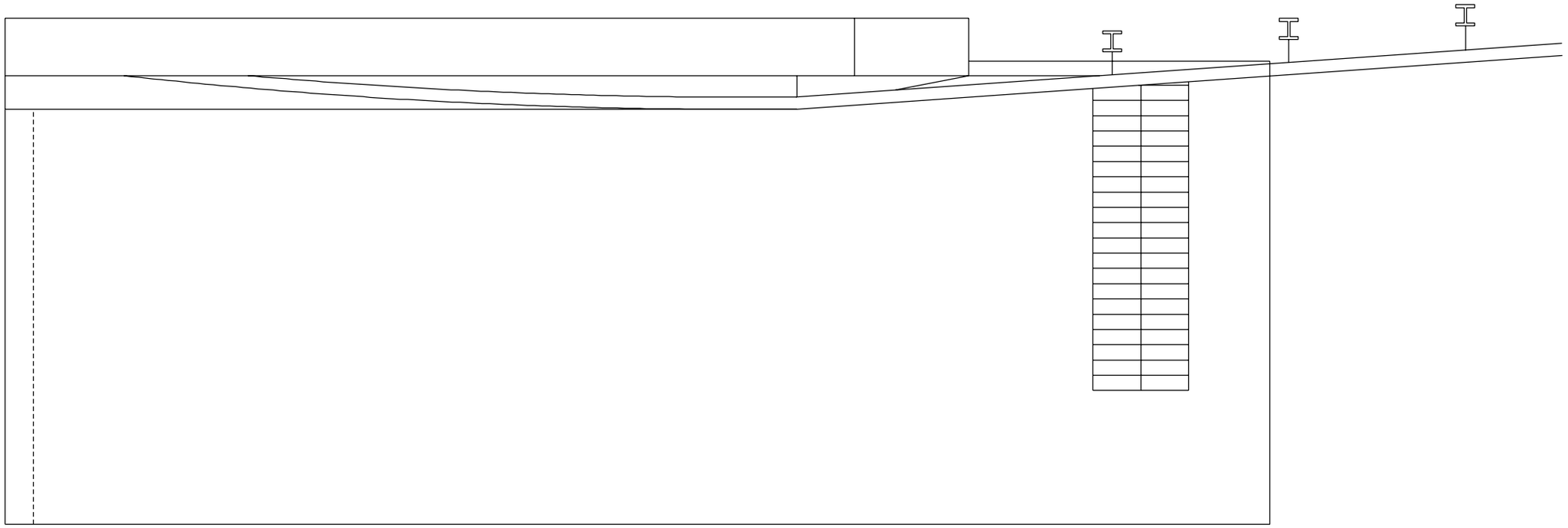
Cell Name: ABUT
Descrip: Section thru pile bent abutment



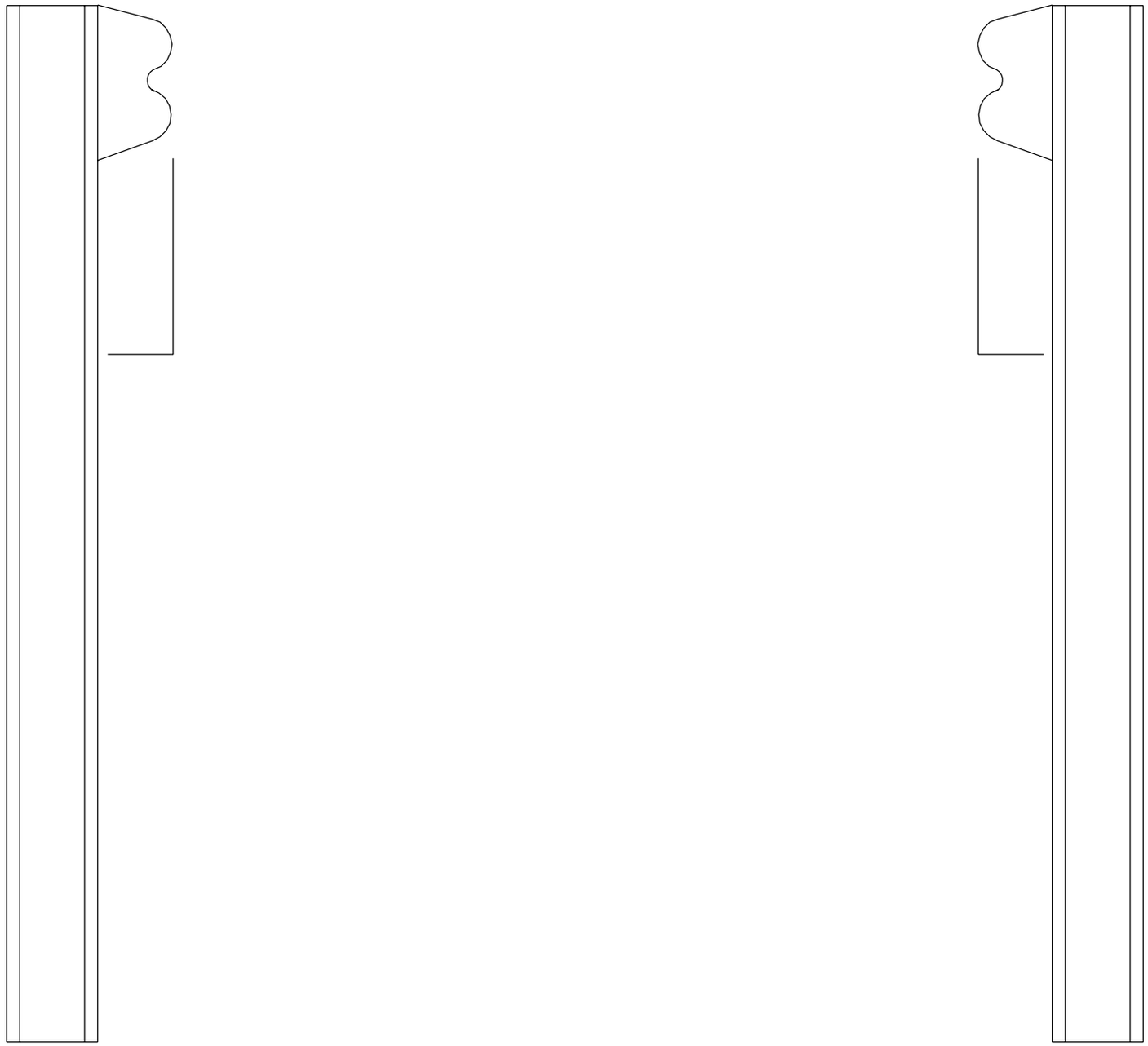
Cell Name: APRW
Descrip: Approach pavement with drain



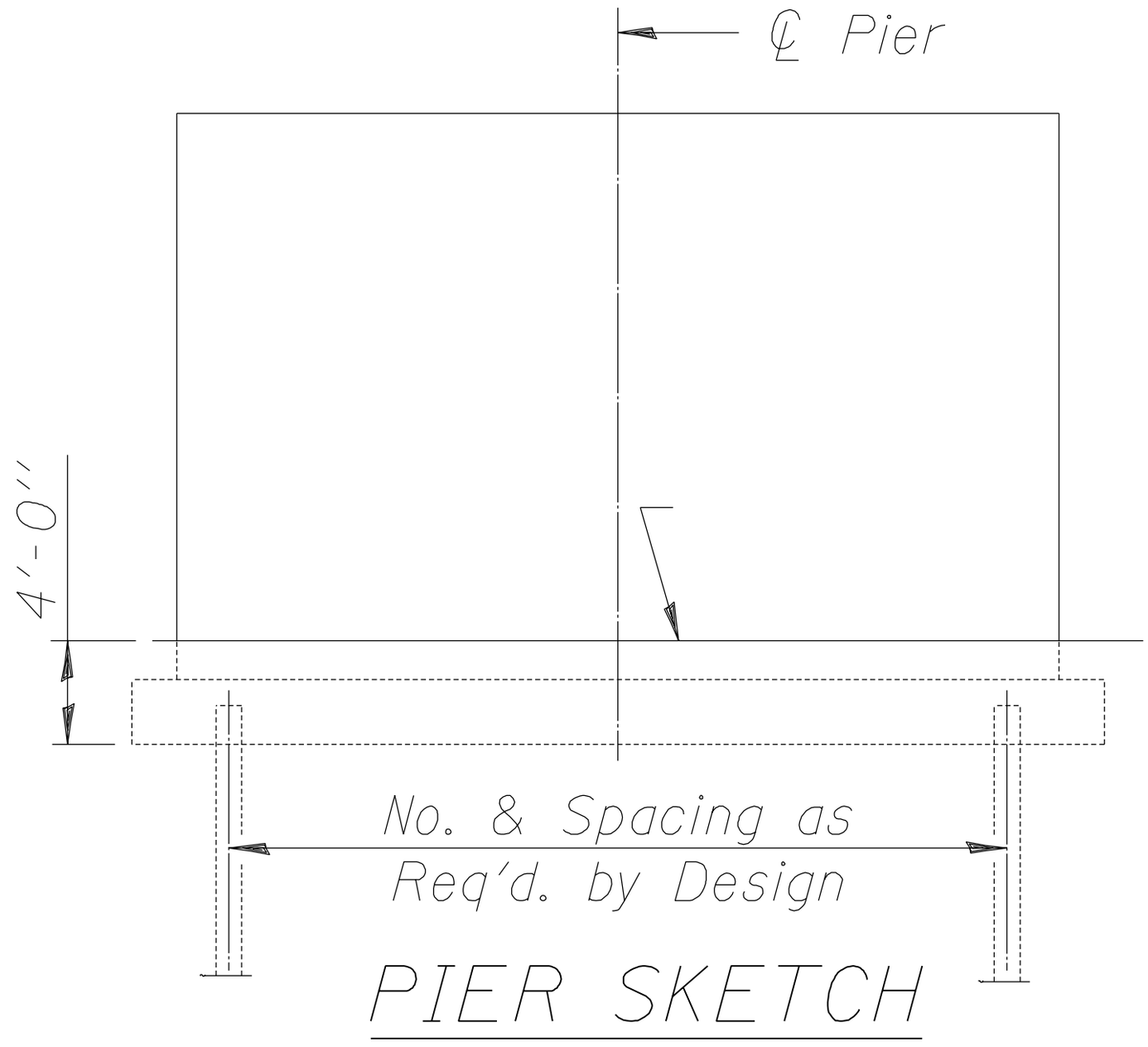
Cell Name: APRWI
Descrip: Approach pavement with drain



Cell Name: GRRAIL
Descrip: Steel rail section

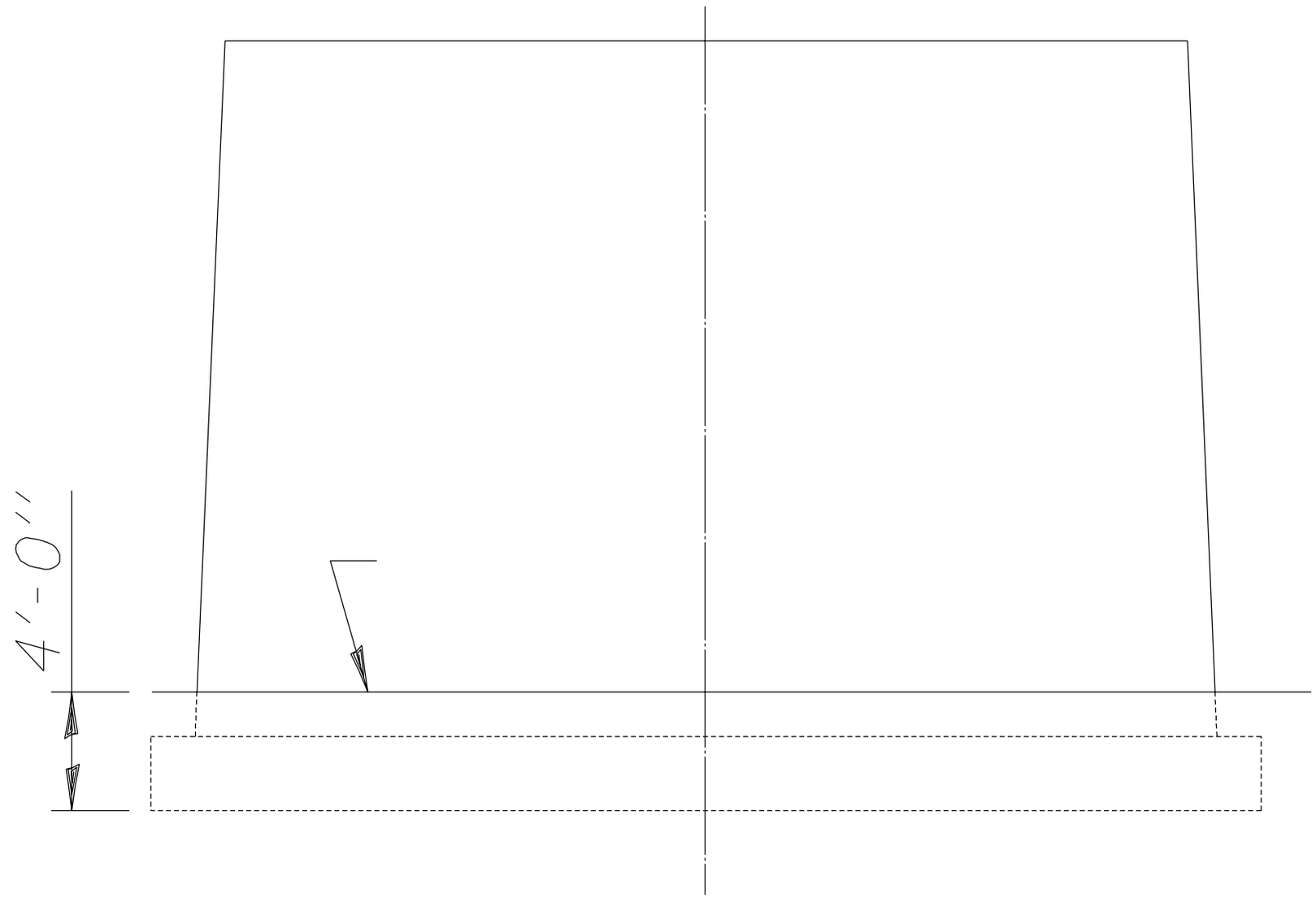


Cell Name: PSI
Descrip: Solid,spread footing pier sketch



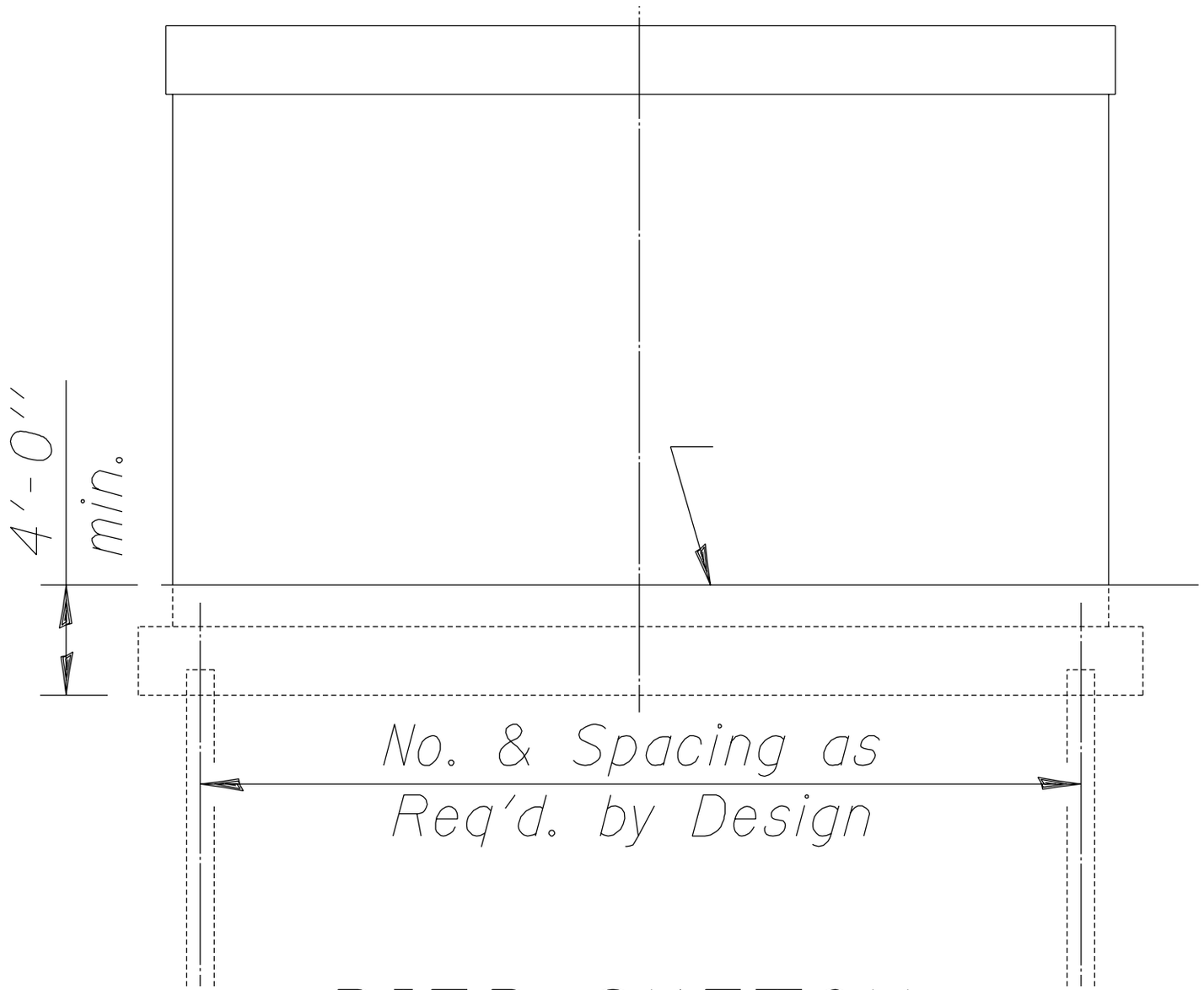
PIER SKETCH

Cell Name: PS2
Descrip: Solid,battered,spread footing pier sketch



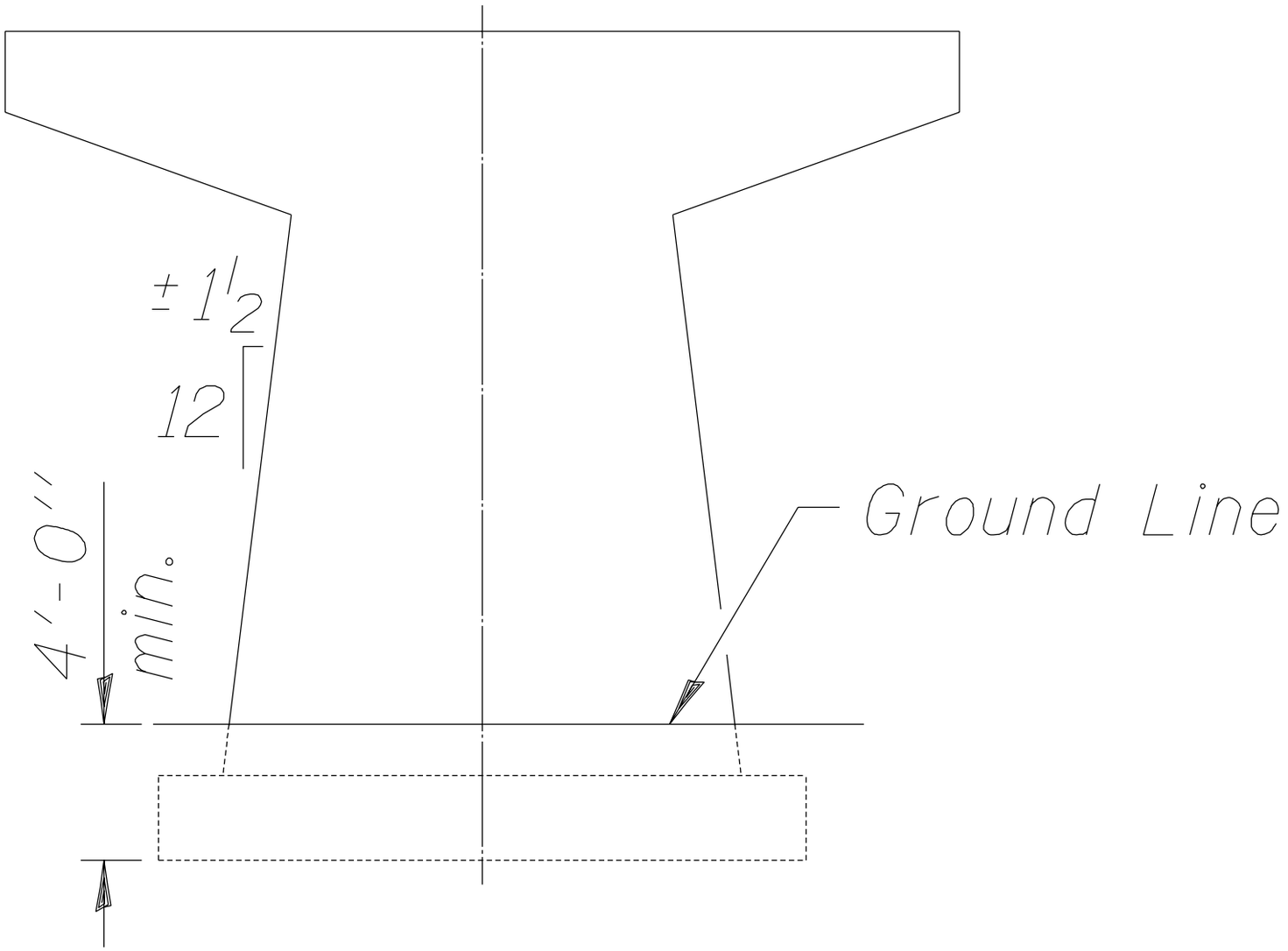
PIER SKETCH

Cell Name: PS3
Descrip: Solid,with cap and spread footing pier sketch



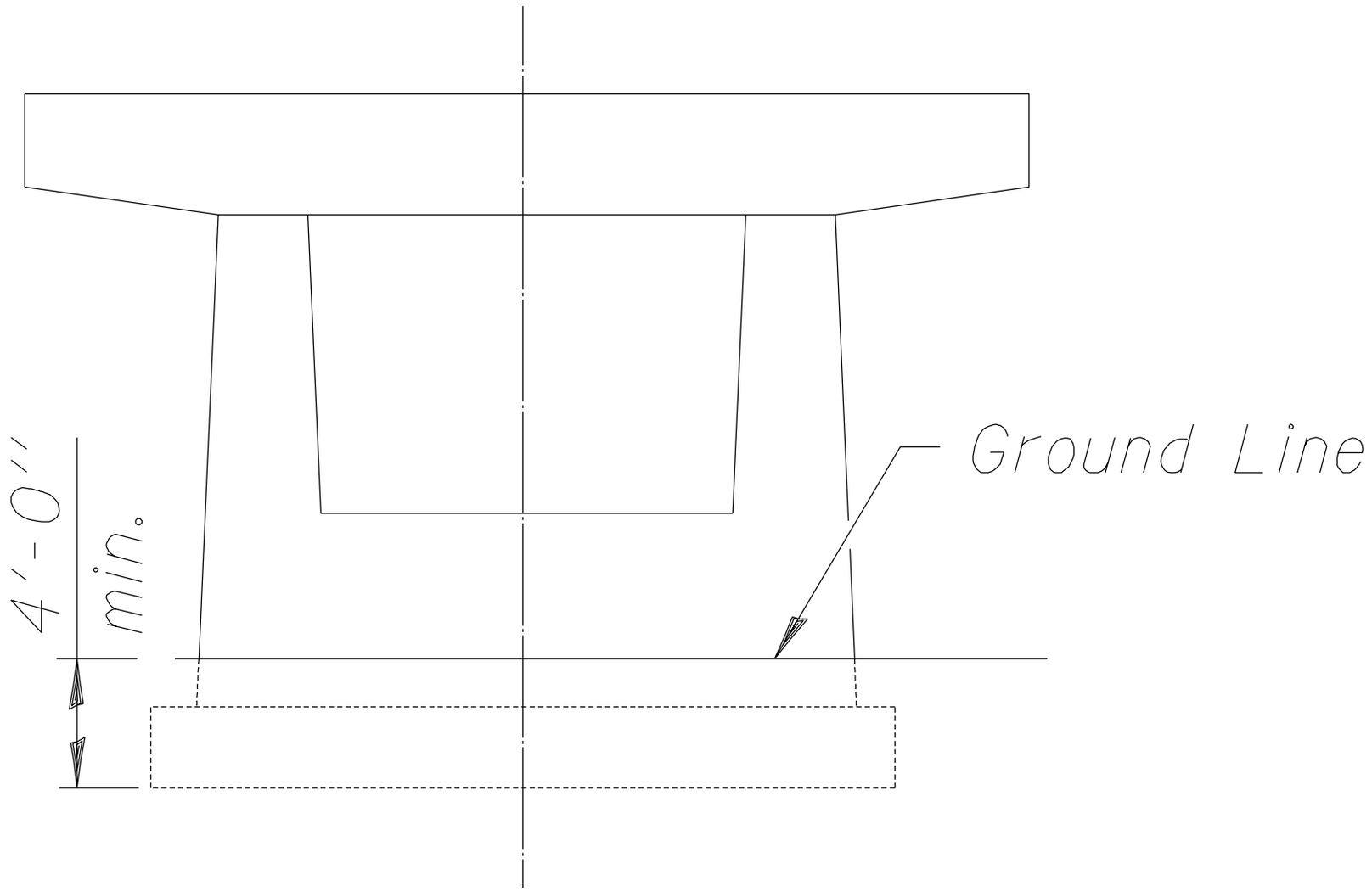
PIER SKETCH

Cell Name: PS4
Descrip: Single hammerhead pier sketch



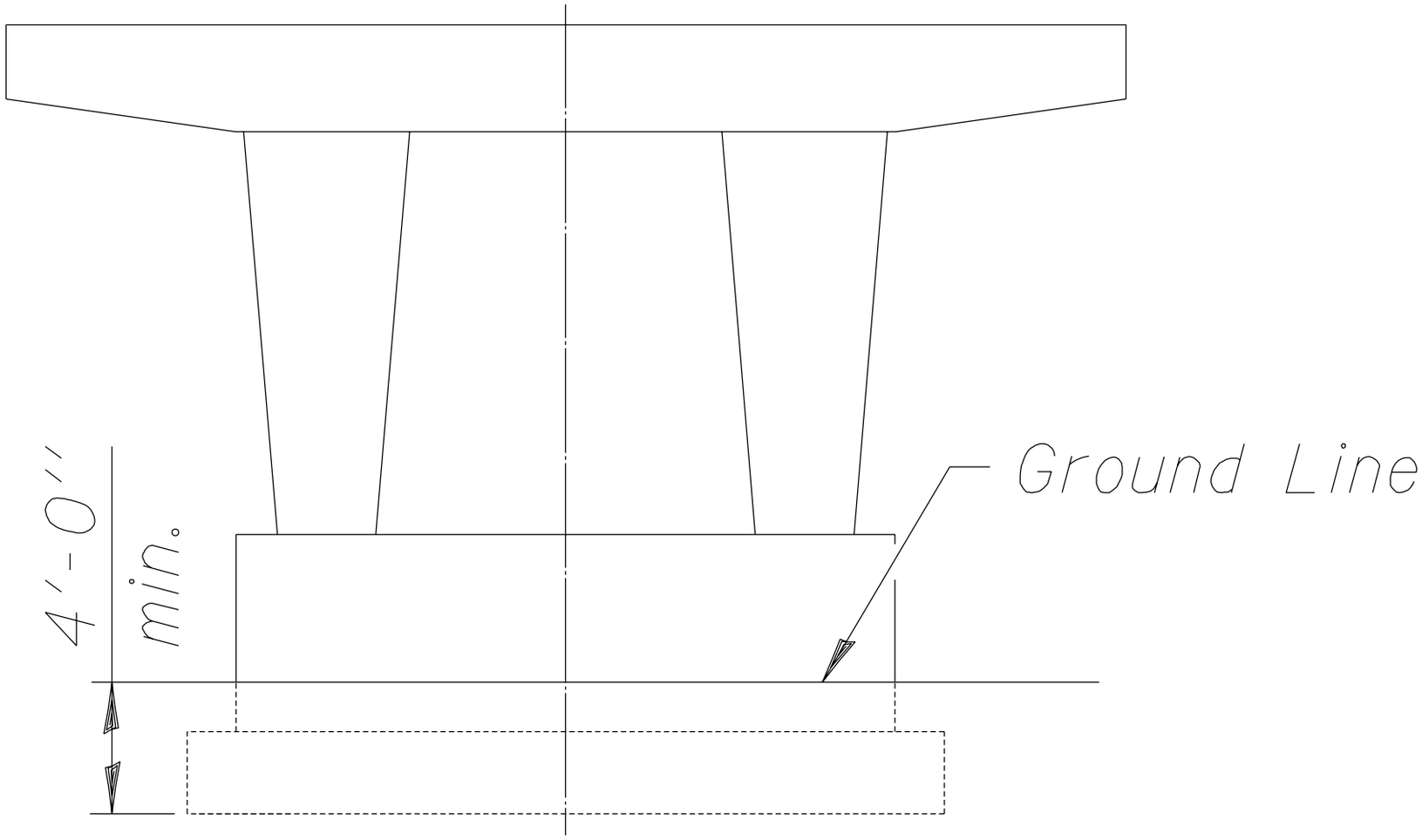
PIER SKETCH

Cell Name: PS5
Descrip: Double hammerhead pier sketch



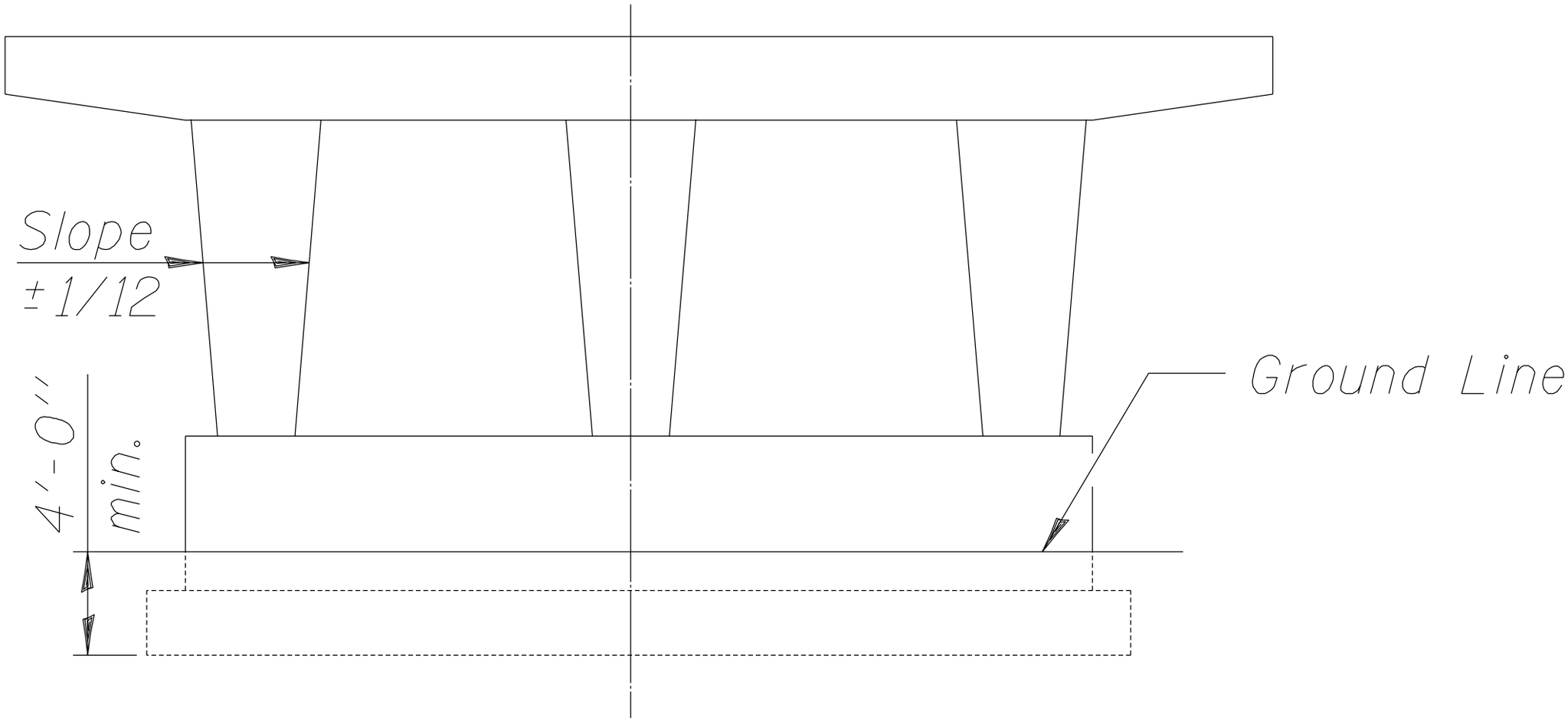
PIER SKETCH

Cell Name: PS6
Descrip: 2 column pier sketch



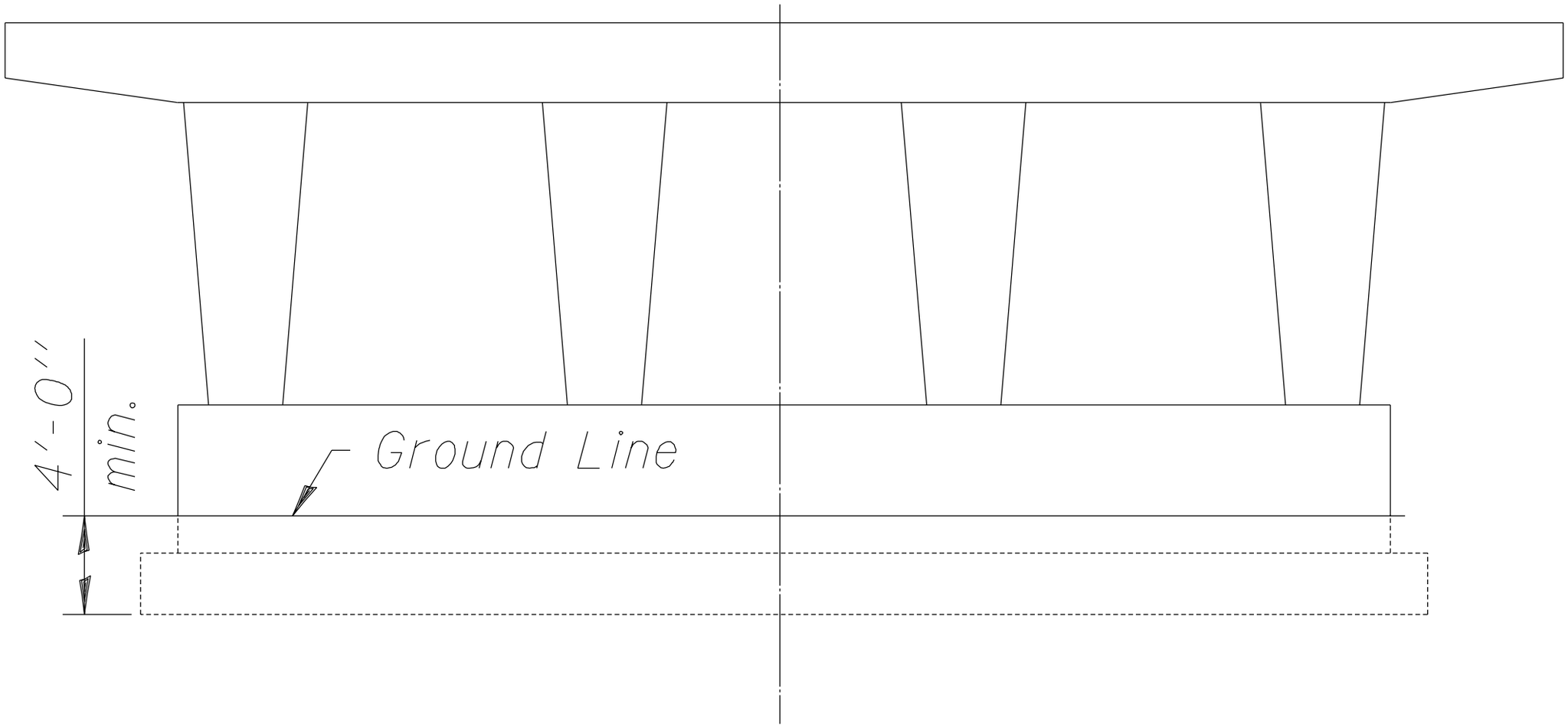
PIER SKETCH

Cell Name: PS7
Descrip: 3 column pier sketch



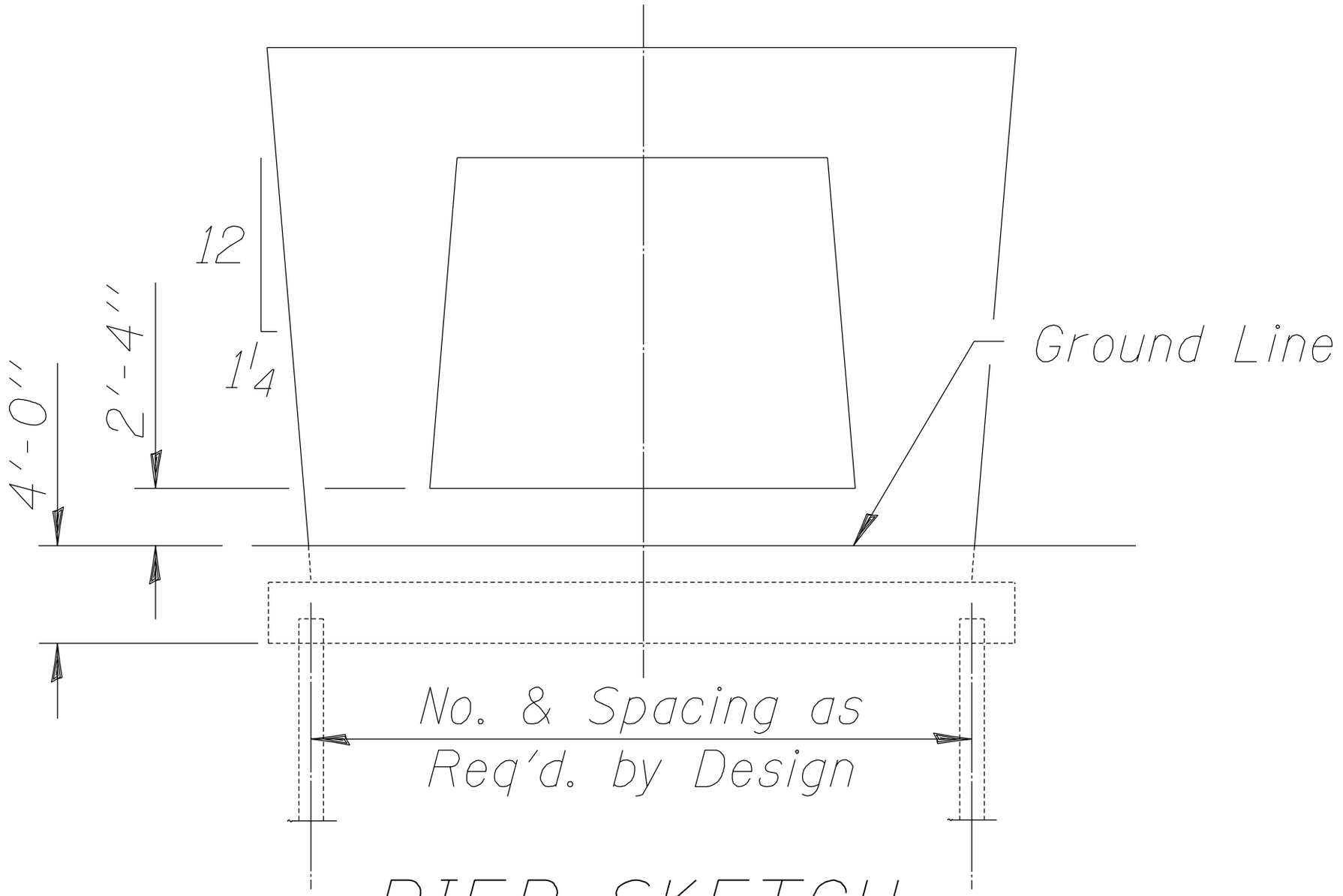
PIER SKETCH

Cell Name: PS8
Descrip: 4 column pier sketch



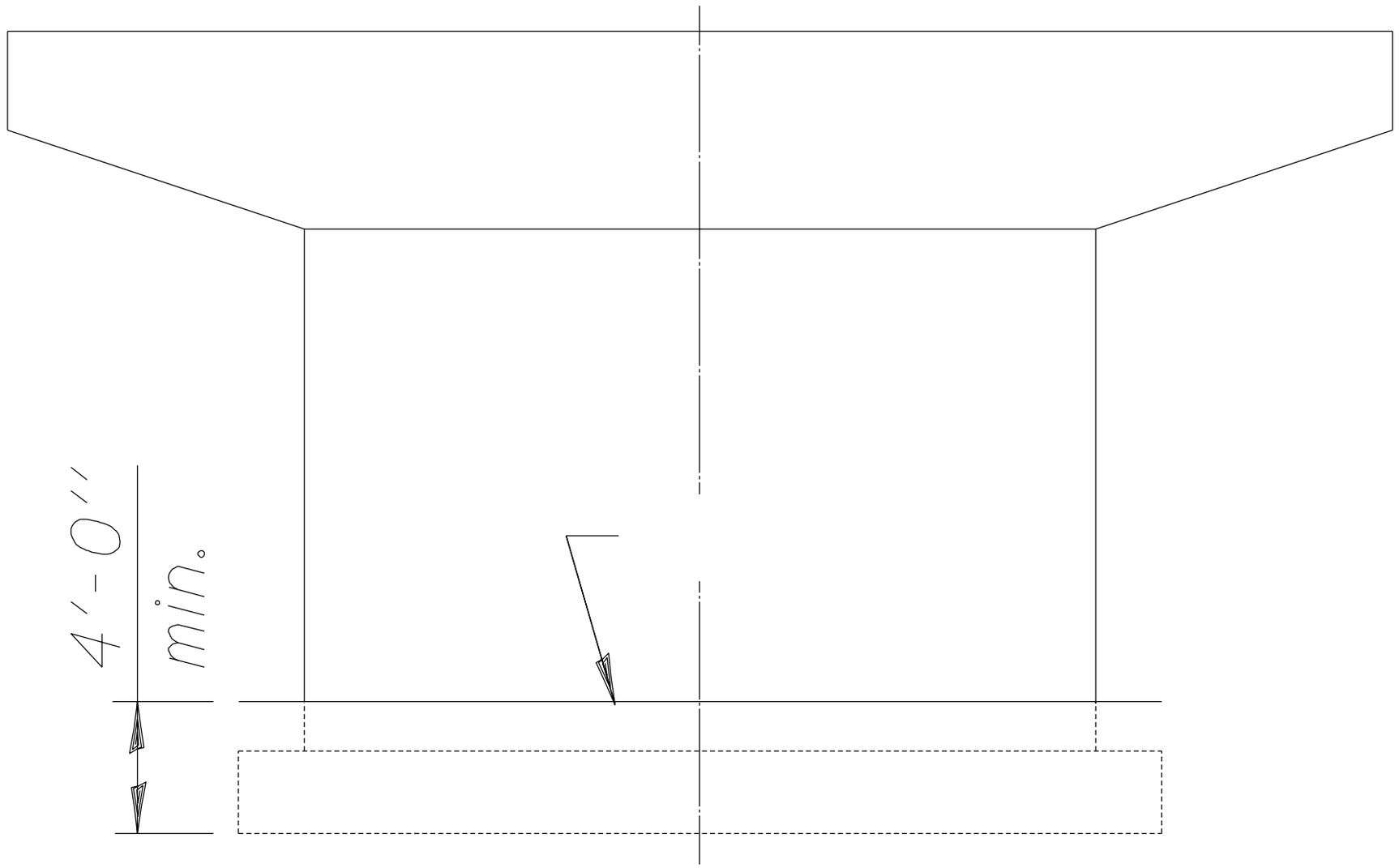
PIER SKETCH

Cell Name: PS9
Descrip: 2 column trapezoidal pier sketch



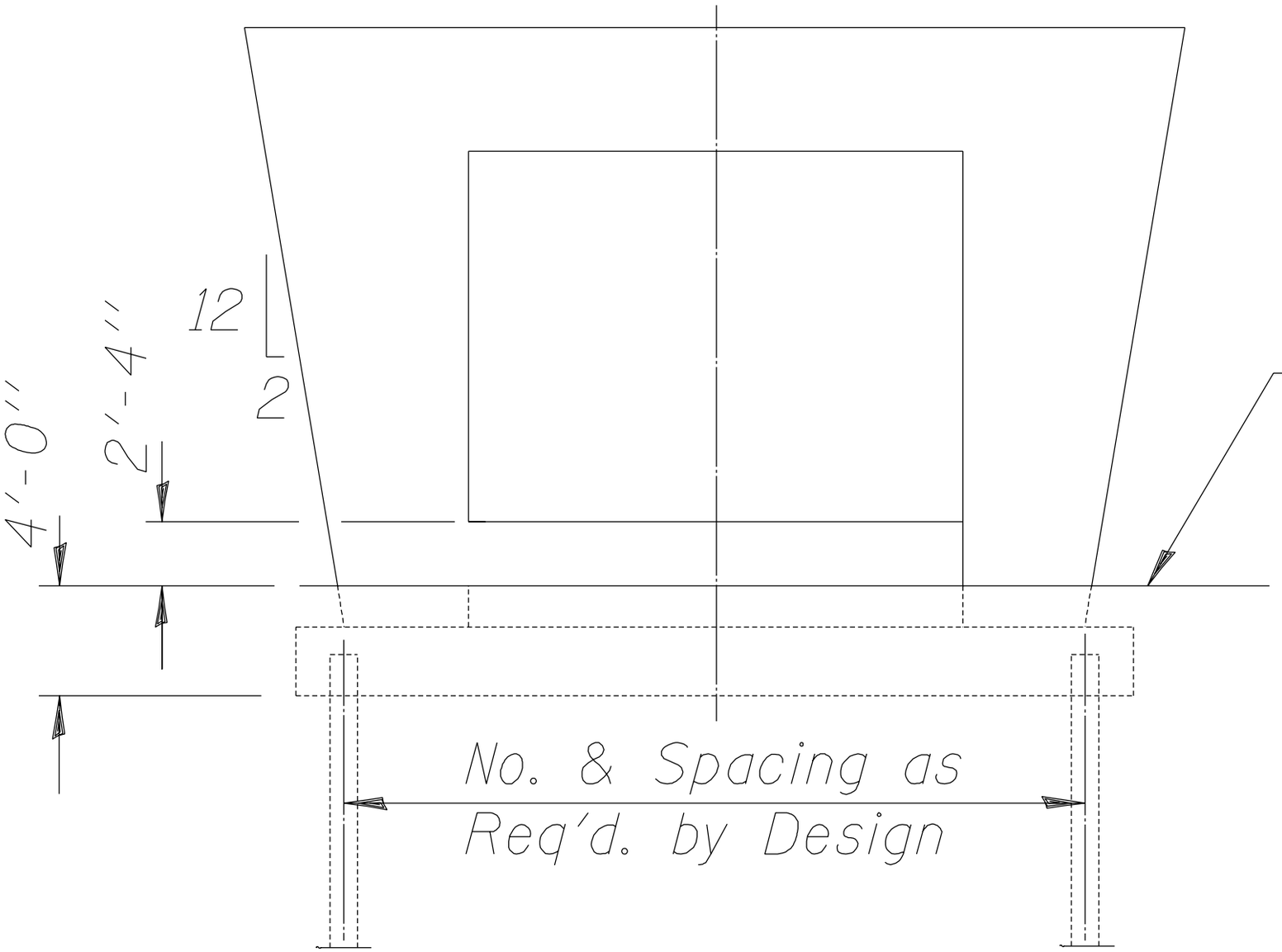
PIER SKETCH

Cell Name: PSI0
Descrip: Solid hammerhead pier sketch



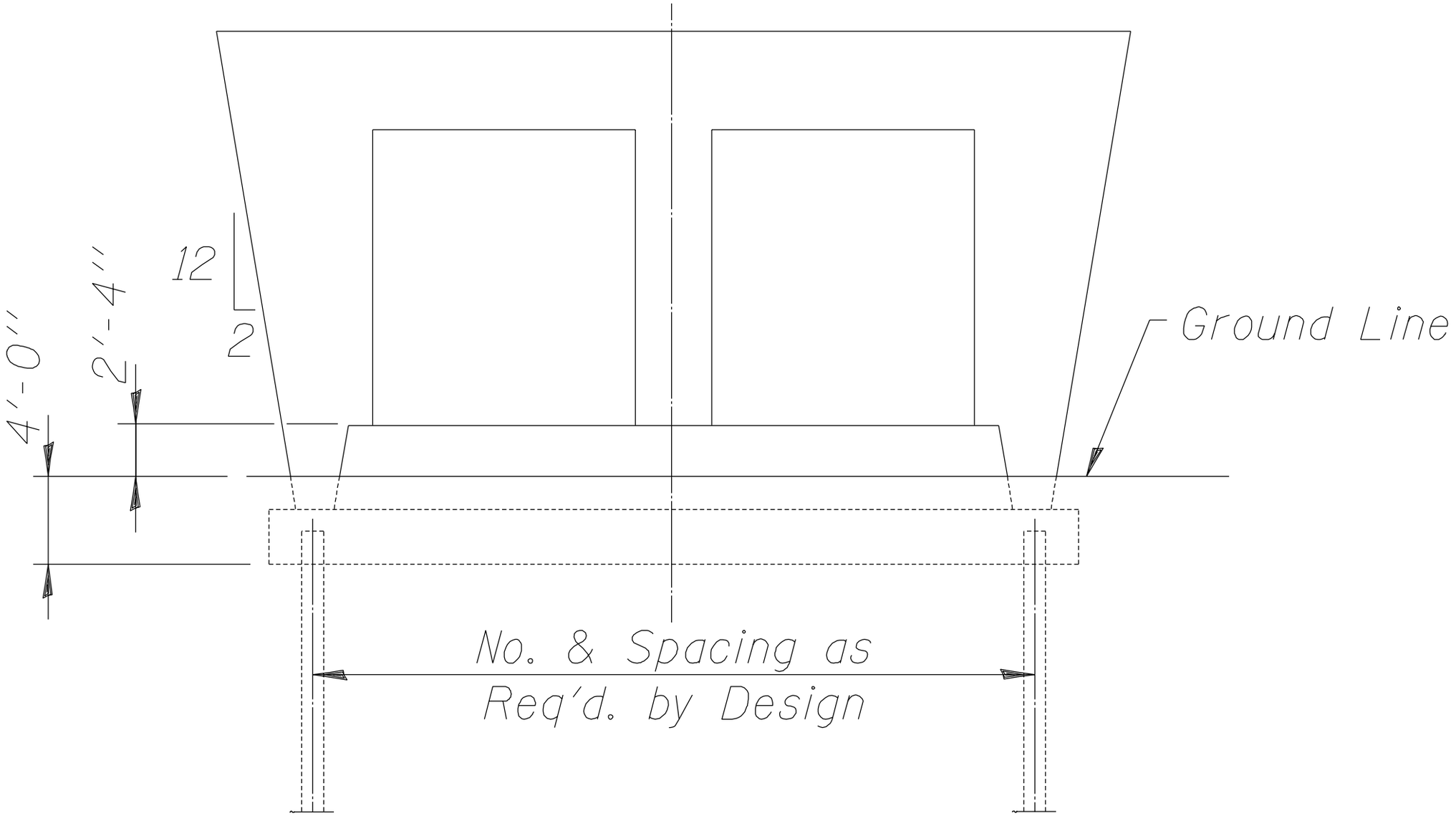
PIER SKETCH

Cell Name: PSII
Descrip: 2 column trapezoidal pier with spread footing sketch



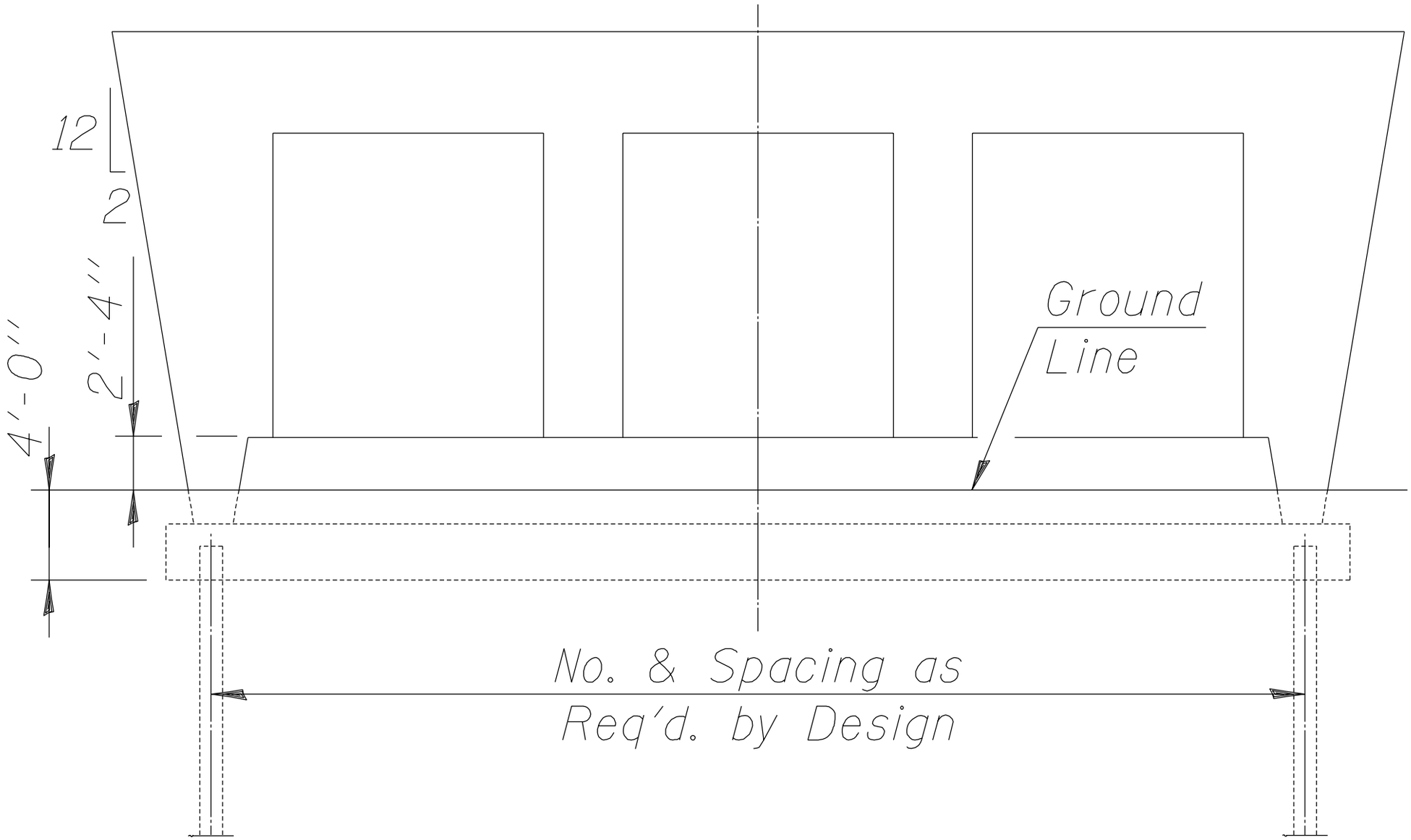
PIER SKETCH

Cell Name: PSI2
Descrip: 3 column trapezoidal pier with spread footing sketch



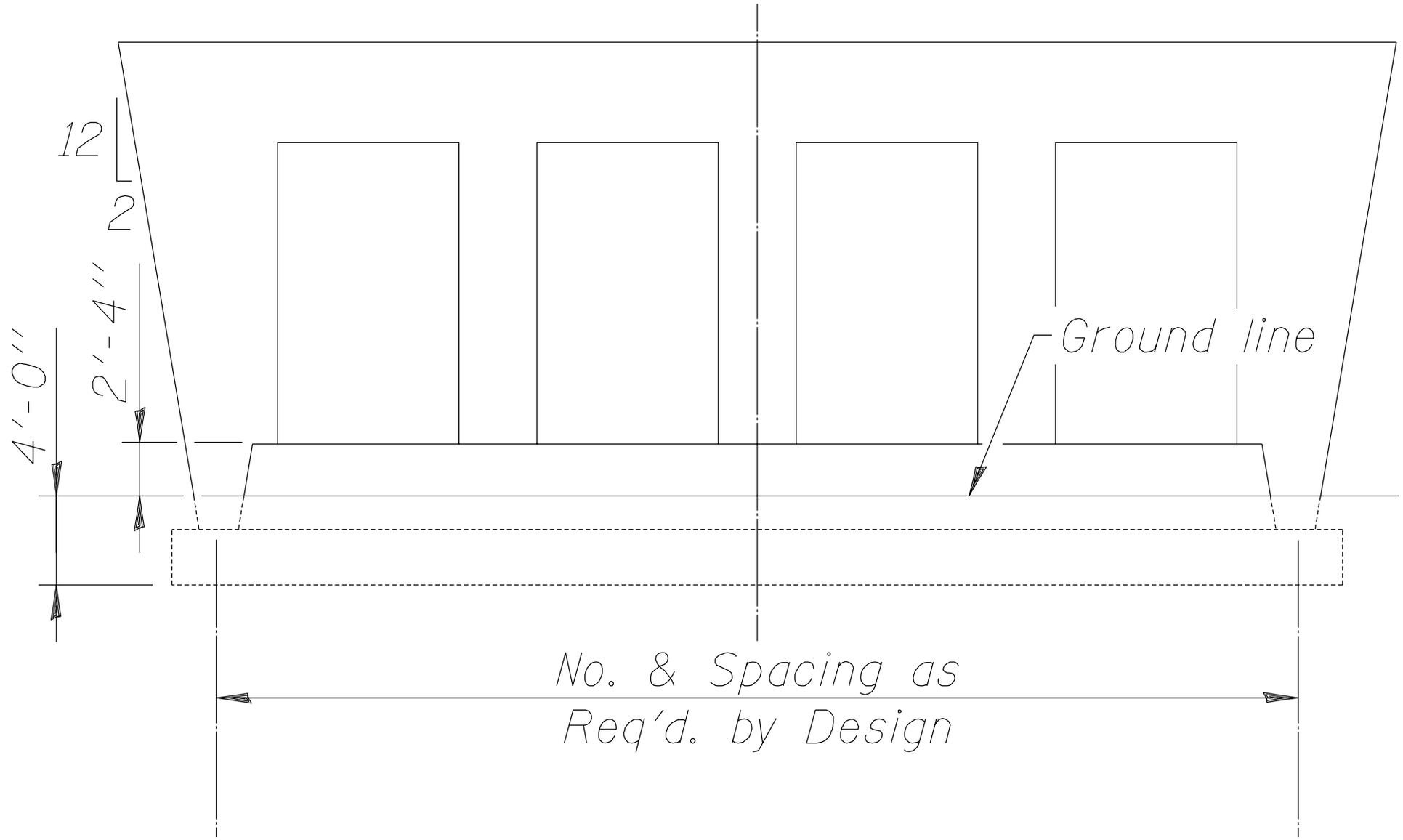
PIER SKETCH

Cell Name: PSI3
Descrip: 4 column trapezoidal pier with spread footing sketch



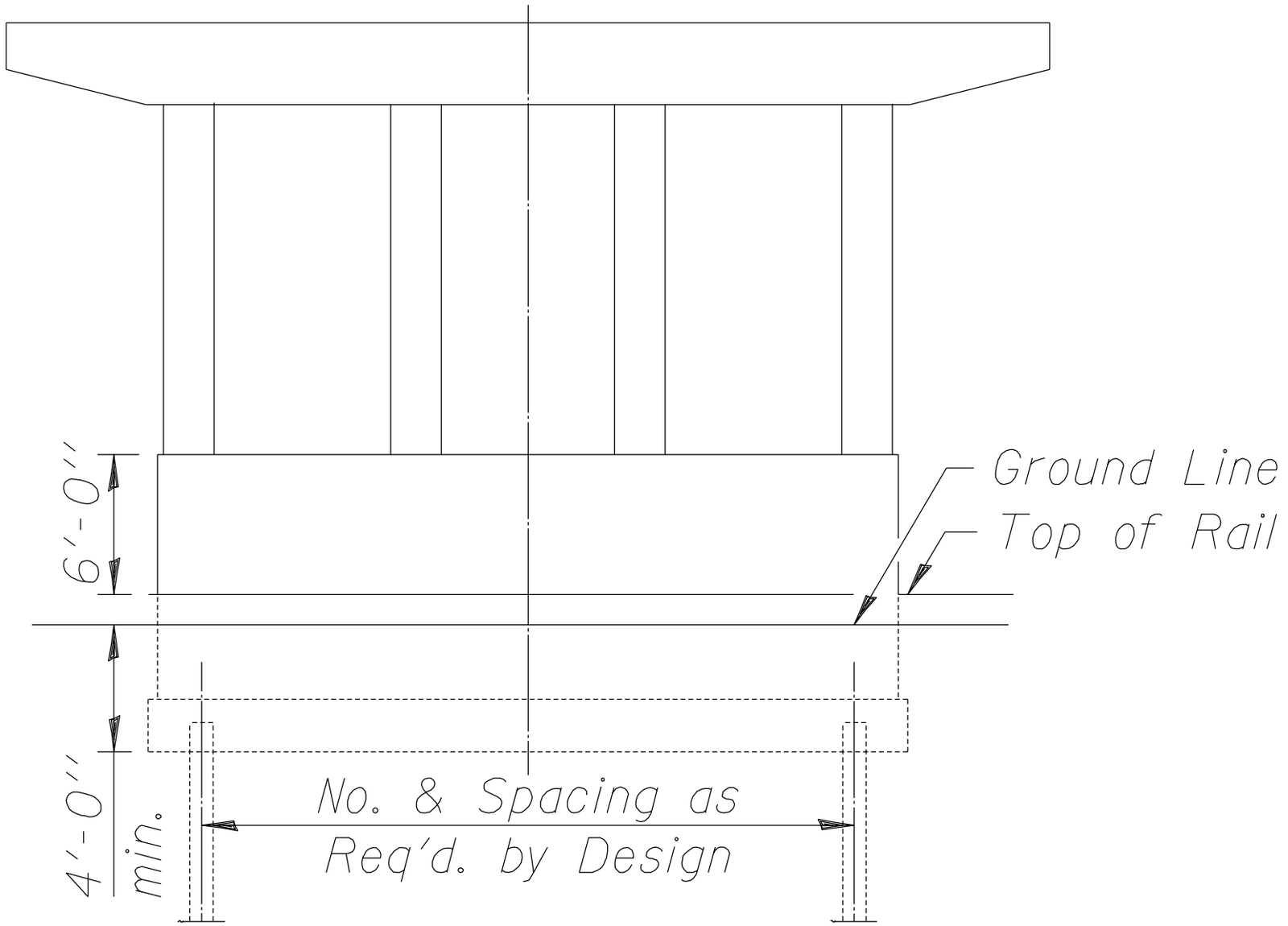
PIER SKETCH

Cell Name: PSI4
Descrip: 5 column trapezoidal pier with spread footing sketch



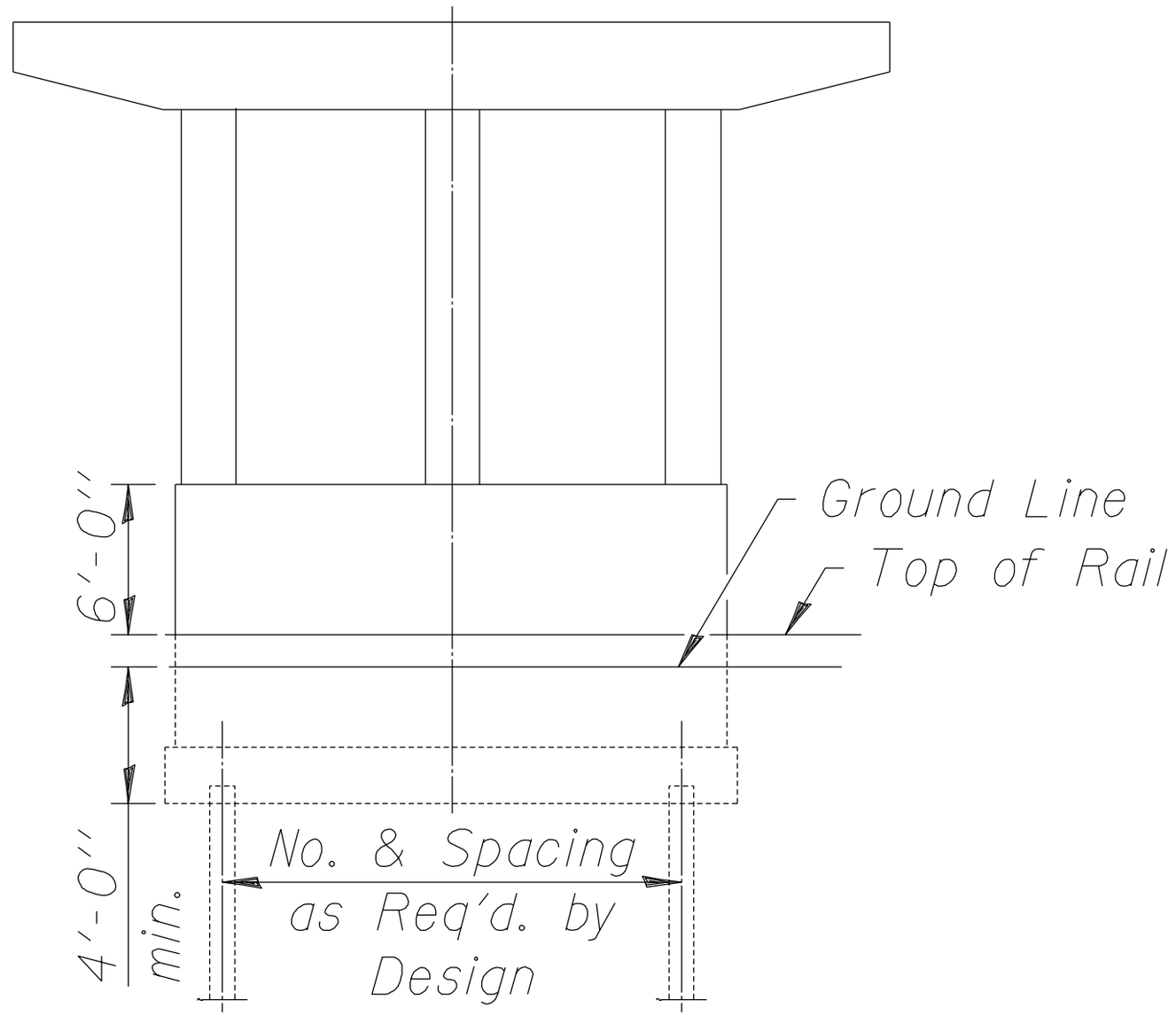
PIER SKETCH

Cell Name: PSI5
Descrip: 3 bay railroad pier with round columns sketch



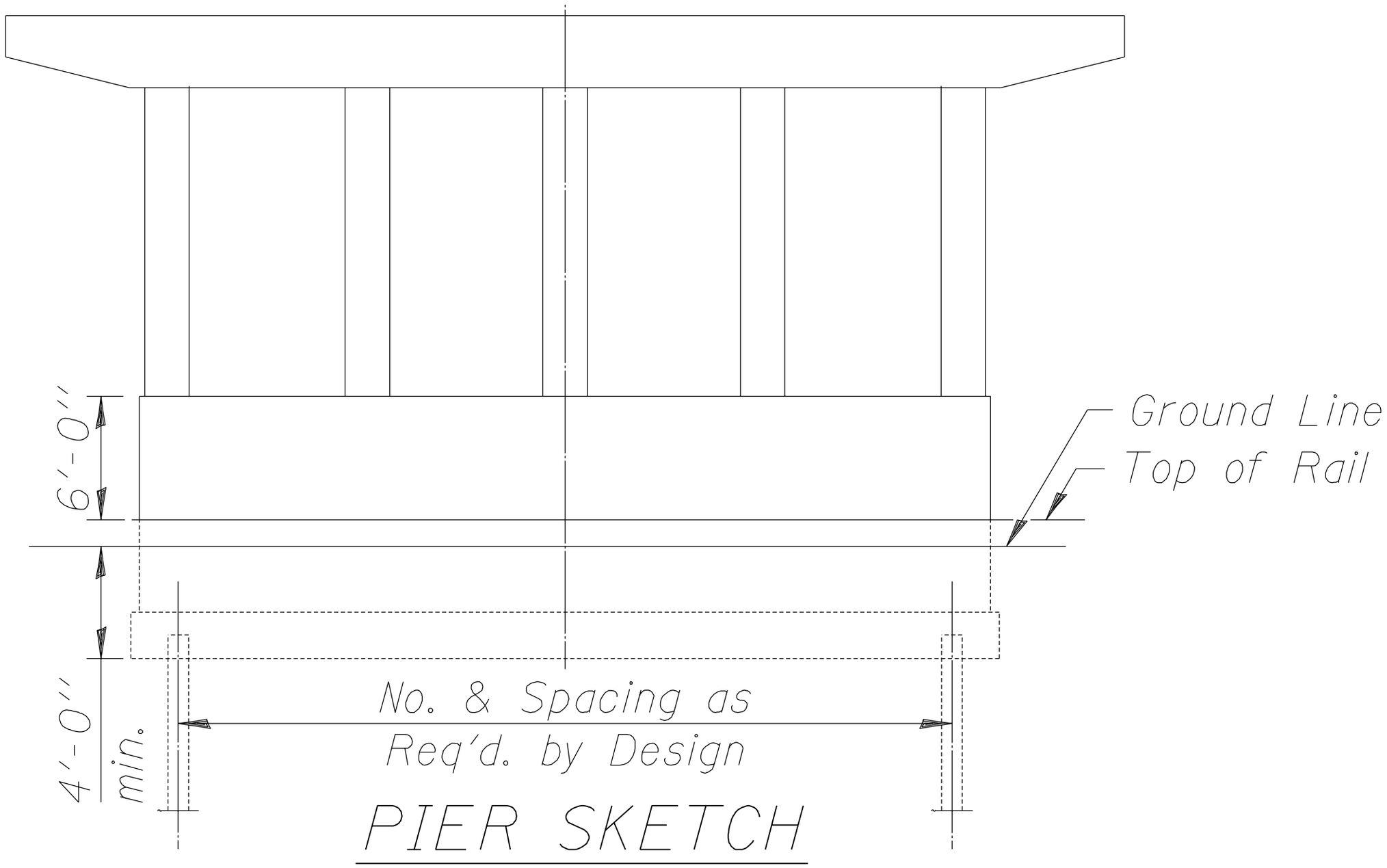
PIER SKETCH

Cell Name: PS16
Descrip: 2 bay railroad pier with round columns sketch



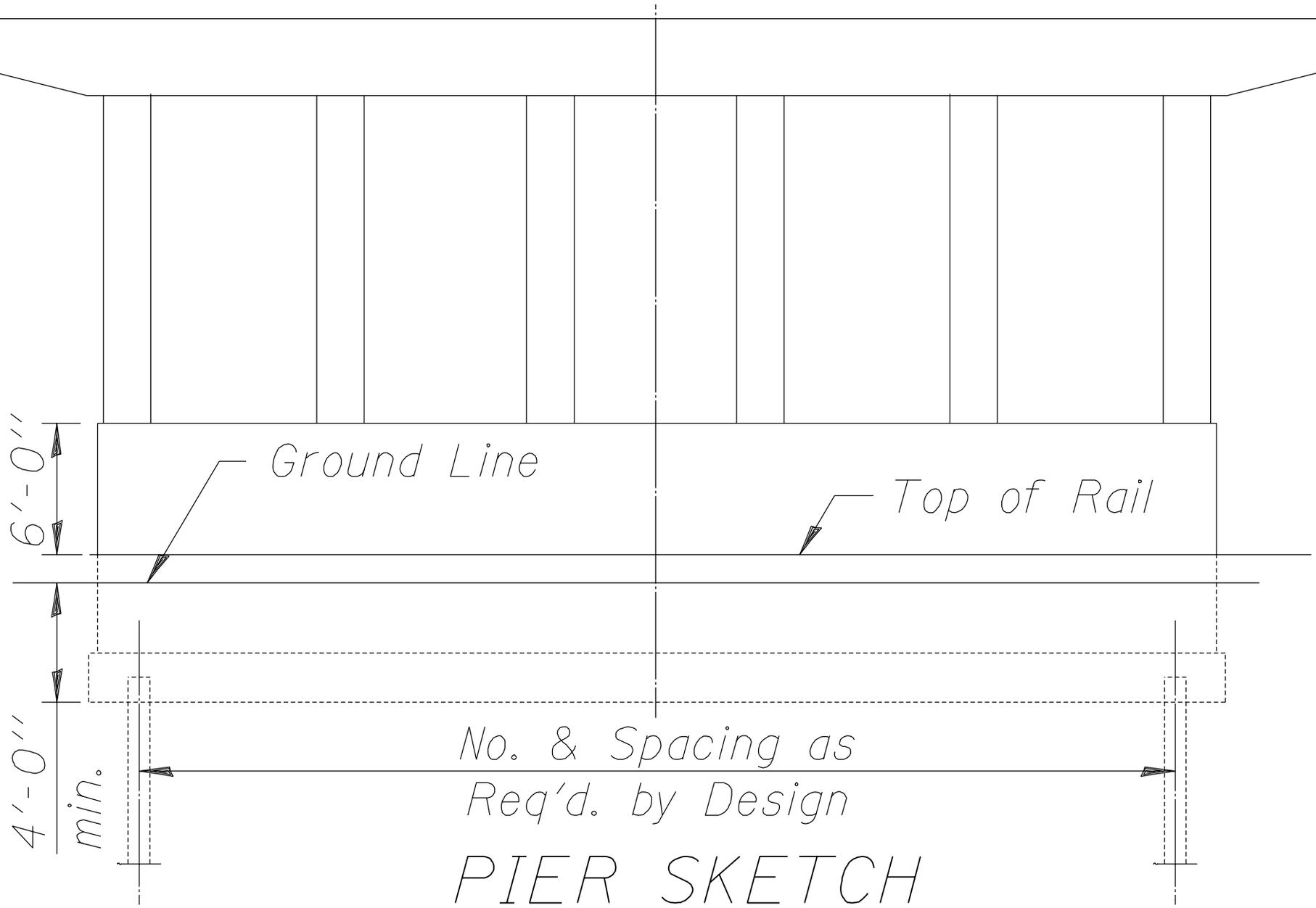
PIER SKETCH

Cell Name: PSI7
Descrip: 4 bay railroad pier with round columns, modified, sketch



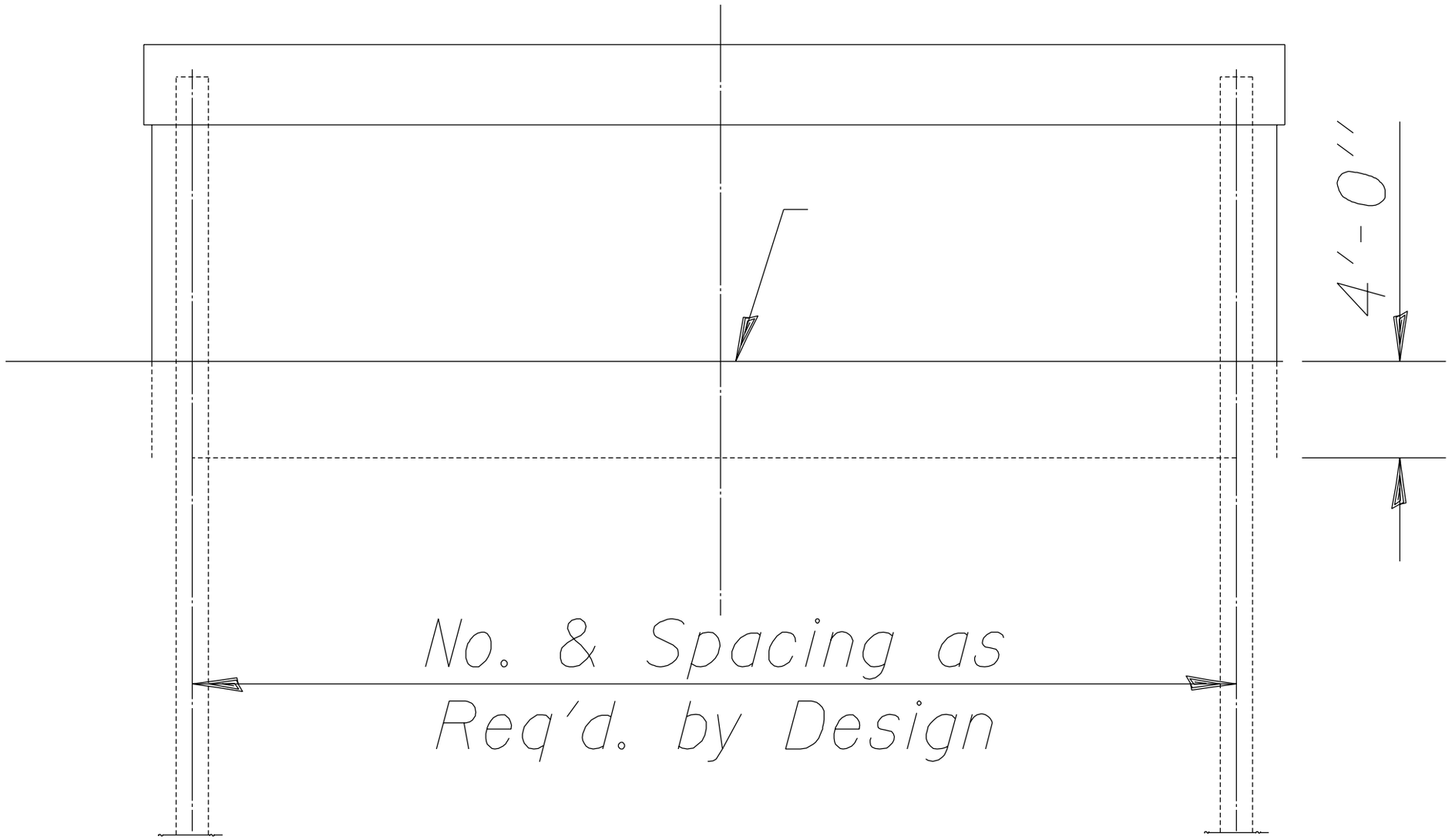
PIER SKETCH

Cell Name: PSI8
Descrip: 5 bay railroad pier with round columns sketch



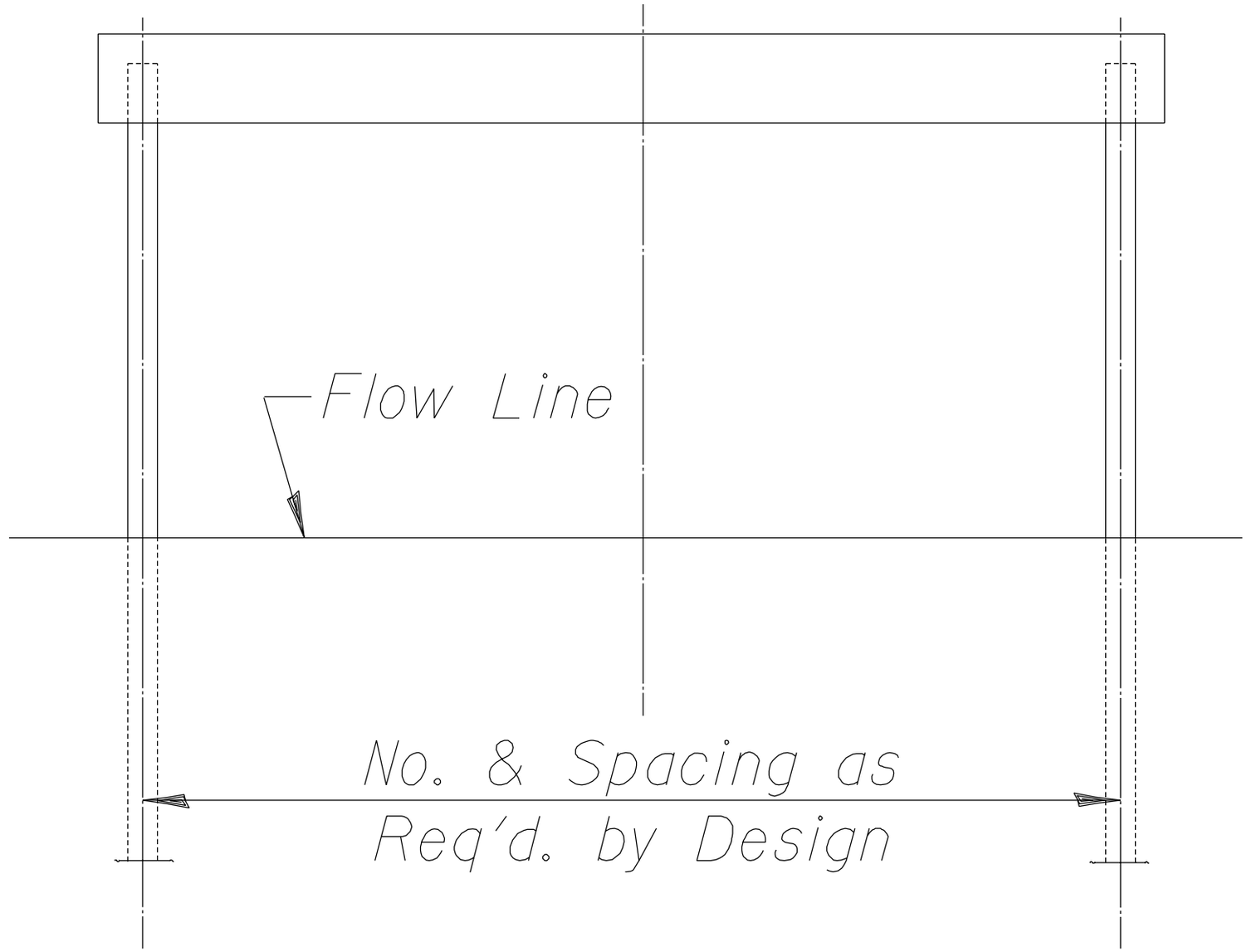
PIER SKETCH

Cell Name: PSI9
Descrip: Encased pile bent pier sketch



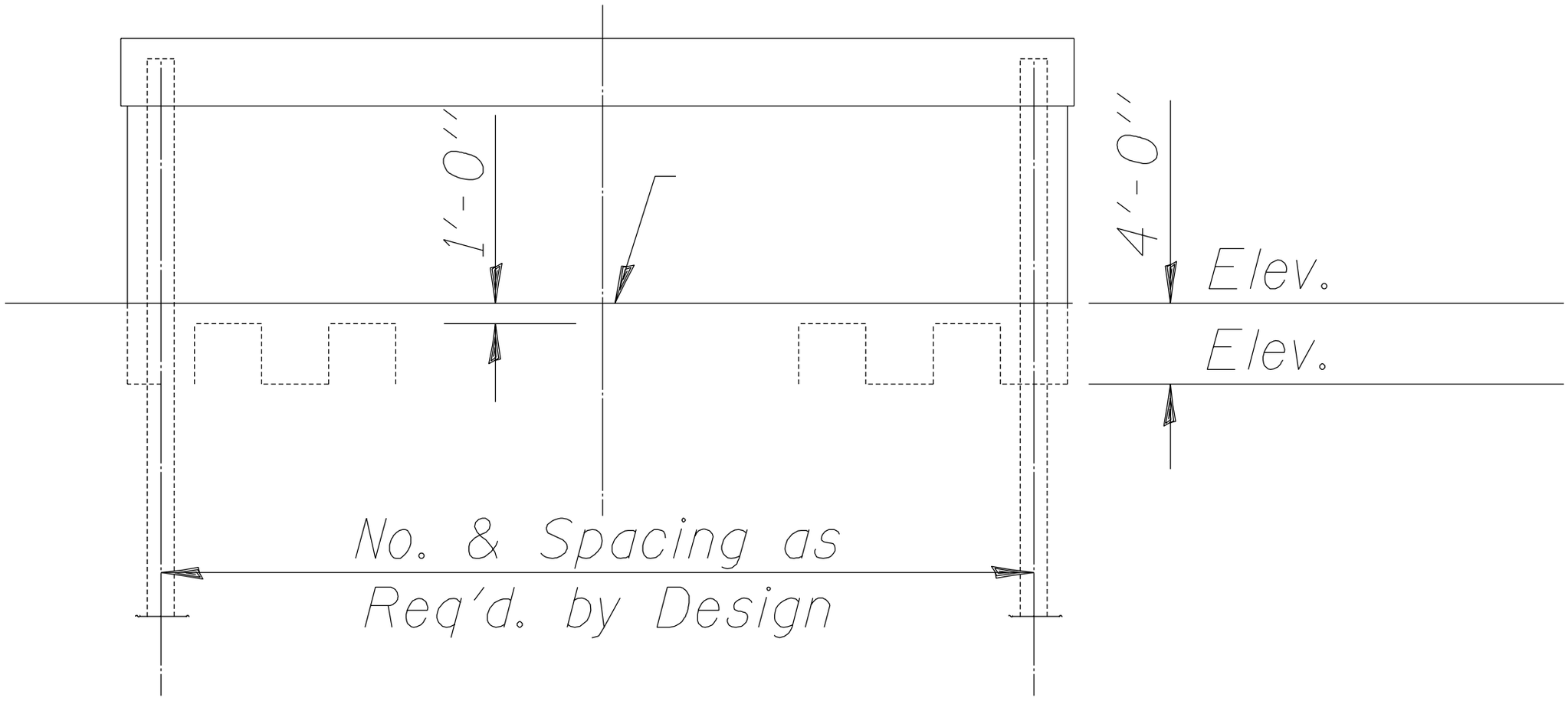
PIER SKETCH

Cell Name: PS20
Descrip: Pile bent pier sketch



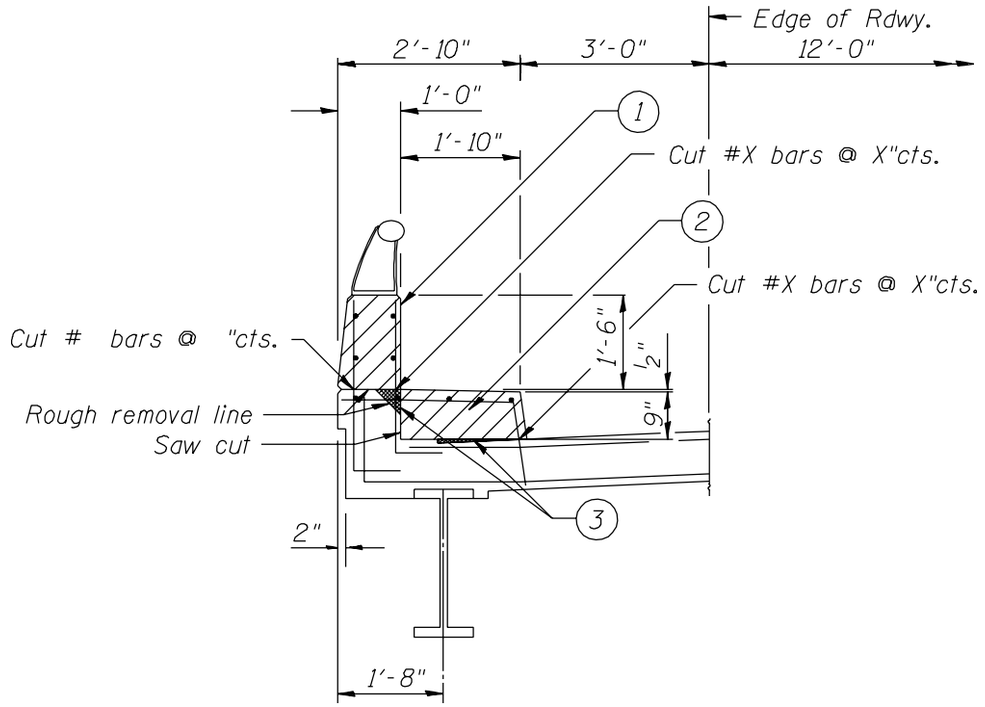
PIER SKETCH

Cell Name: PS2I
Descrip: Individually encased pile bent pier sketch



PIER SKETCH

Cell Name: RETRO
Descrip: Safety walk and parapet removal details



SAFETY WALK & PARAPET REMOVAL DETAILS

(Existing Reinforcement shown in accordance with original plans)

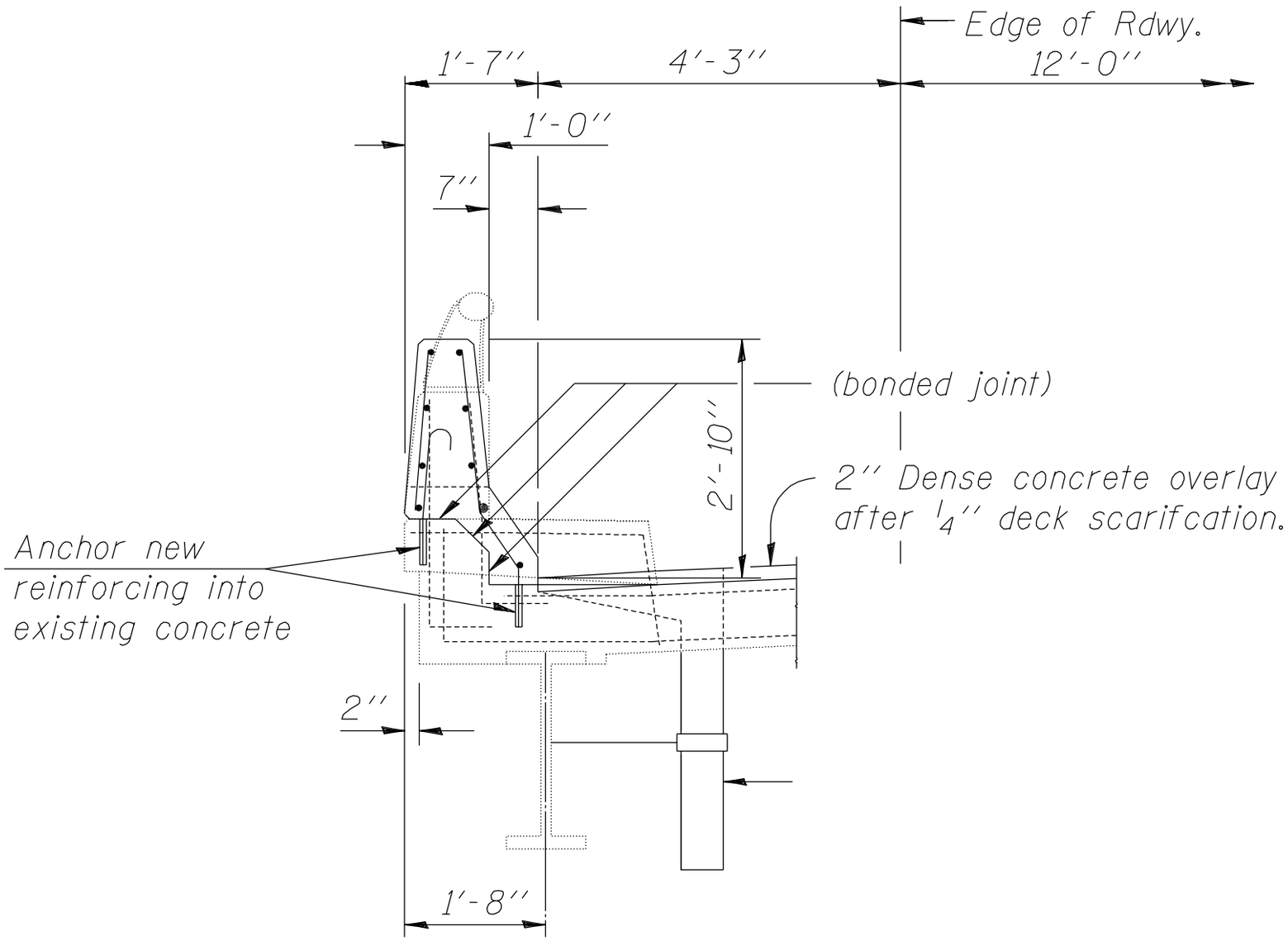
Parapet & Safety Walk Removal Sequence

1. Remove parapet above safety walk.
2. Saw cut safety walk as shown & remove to rough removal line.
3. Complete removal to finish line with light hammer (45# or less) or waterjet only.

Notes to Designer

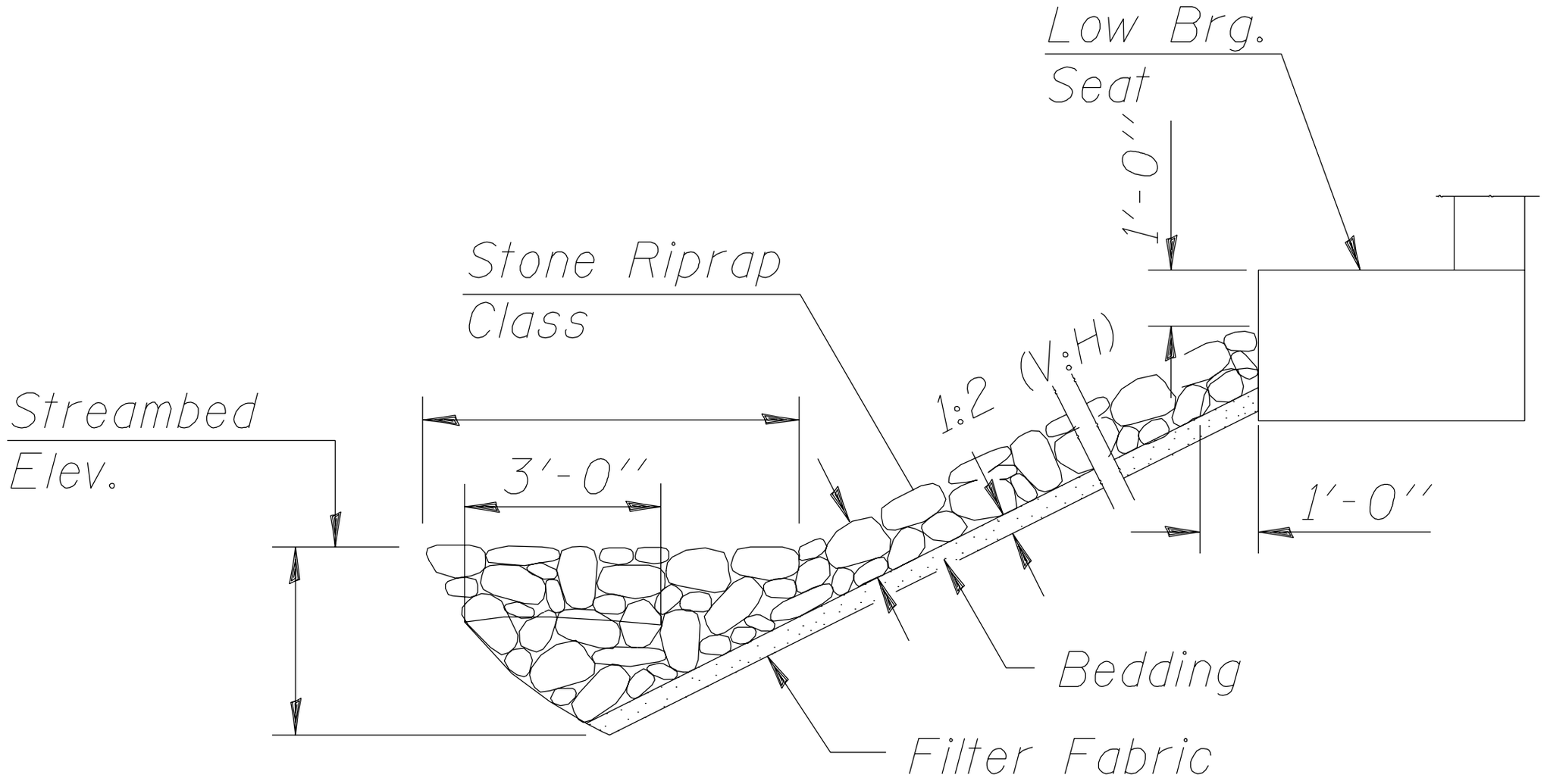
1. Bill retrofit as "Concrete Parapet & Safety Walk Removal and Retrofit." in Linear Feet.
2. Concrete removal for drain replacement should be billed as Concrete Removal and Class X Concrete.

Cell Name: RETRO1
Descrip: Parapet retrofit detail



PARAPET RETROFIT DETAIL

Cell Name: RRAP
Descrip: Riprap anchor detail



STONE RIPRAP ANCHOR DETAIL

Cell Name: STR
Descrip: Design stresses

DESIGN STRESSES

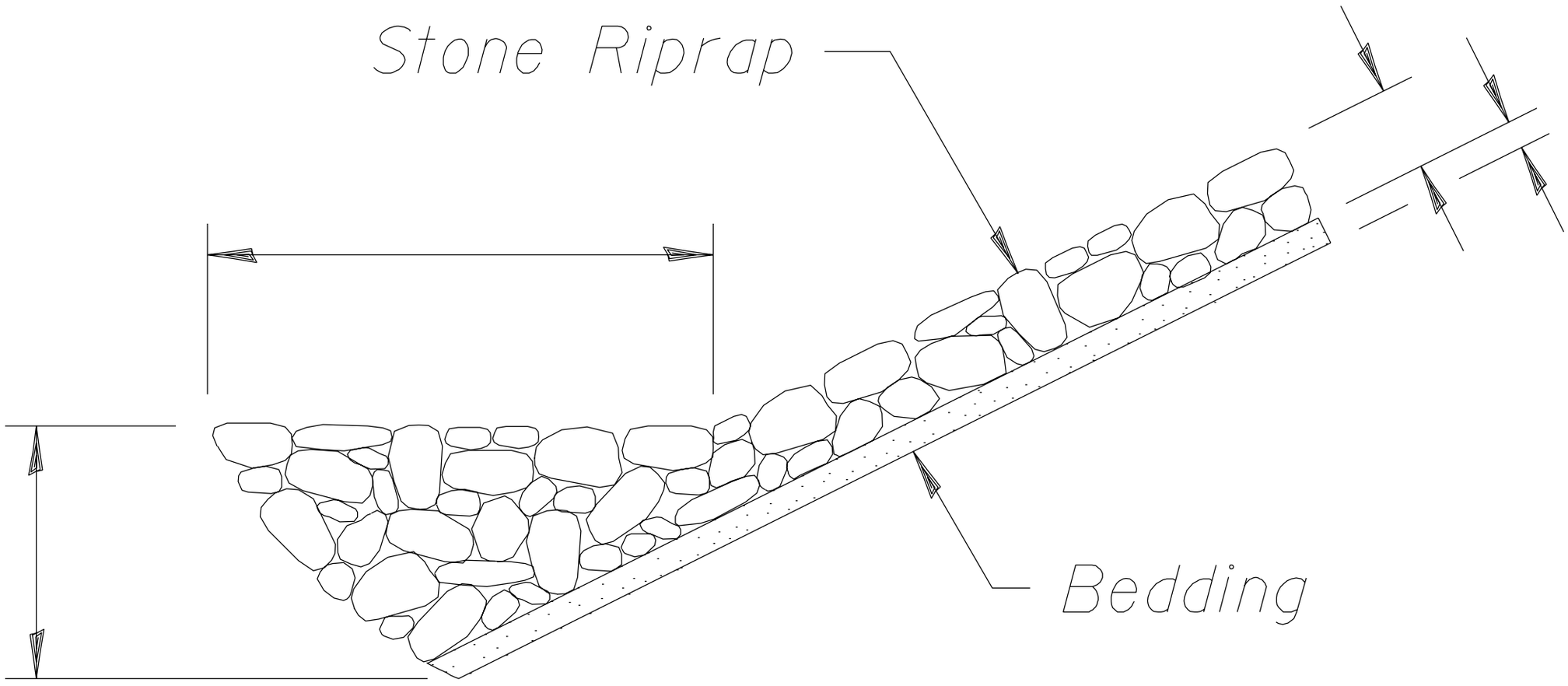
FIELD UNITS

f'c = 3,500 psi

fy = 60,000 psi (reinf.)

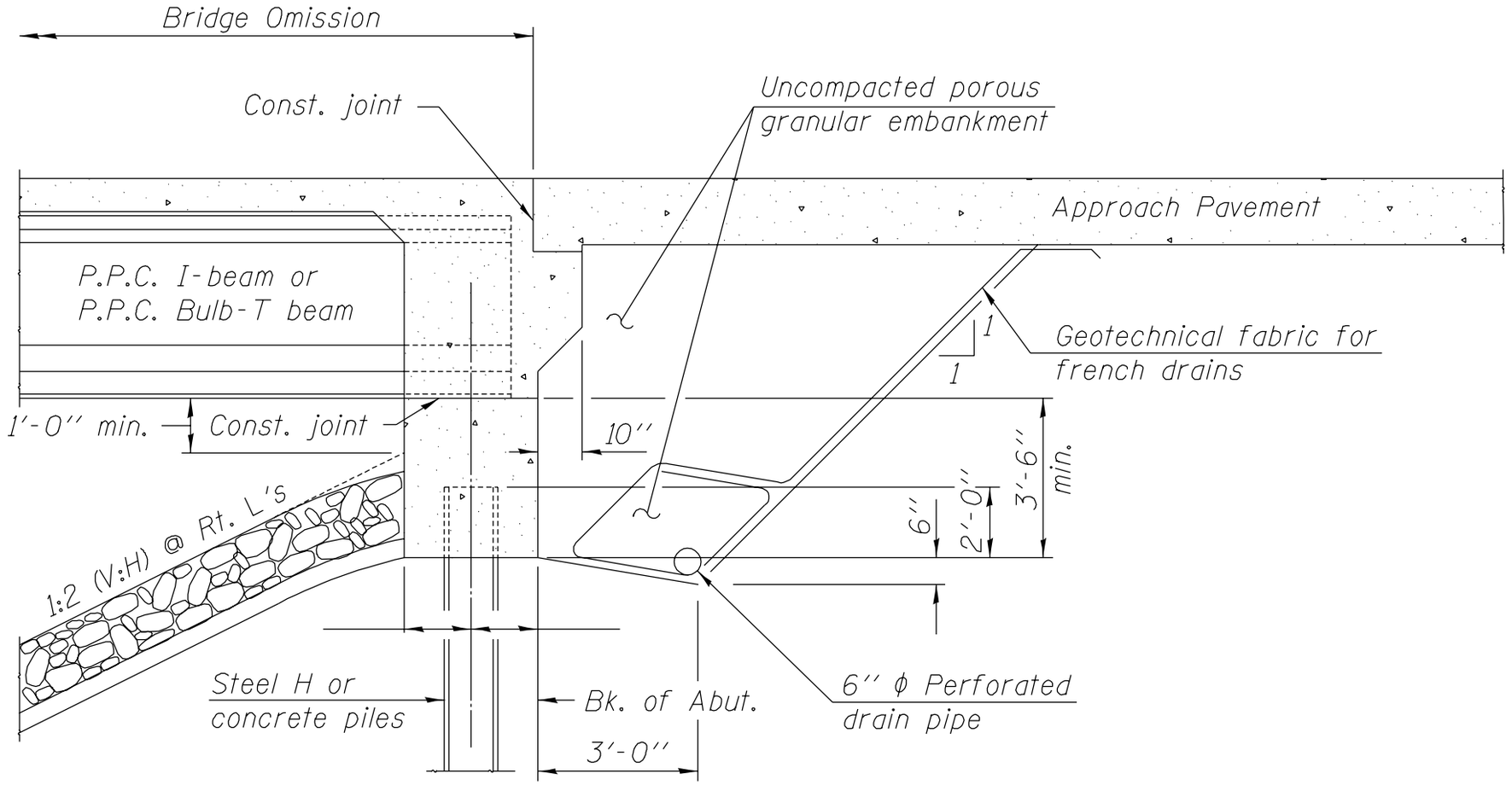
fy = 50,000 psi (M270 Grade 50)

Cell Name: TSL001
Descrip: Riprap anchor detail



STONE RIPRAP ANCHOR DETAIL

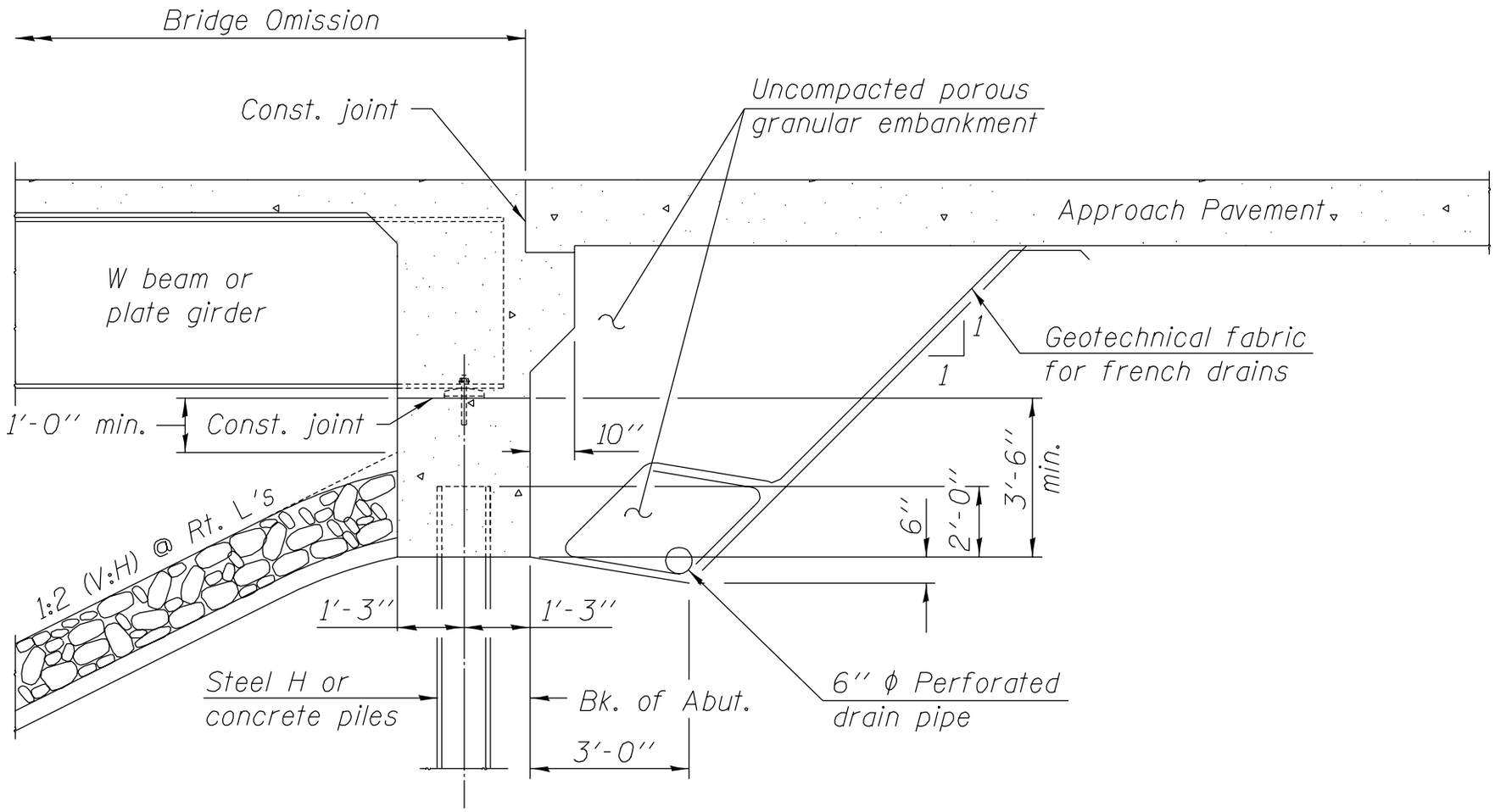
Cell Name: TSL002
Descrip: Section thru integral abutment with PPC beams



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

Cell Name: TSL003
Descrip: Section thru integral abutment with steel beams or girders



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

Cell Name: TY6
Descrip: Traffic barrier terminal, type 6